



**CONSUMER SERVICES TECHNICAL
EDUCATION GROUP PRESENTS**

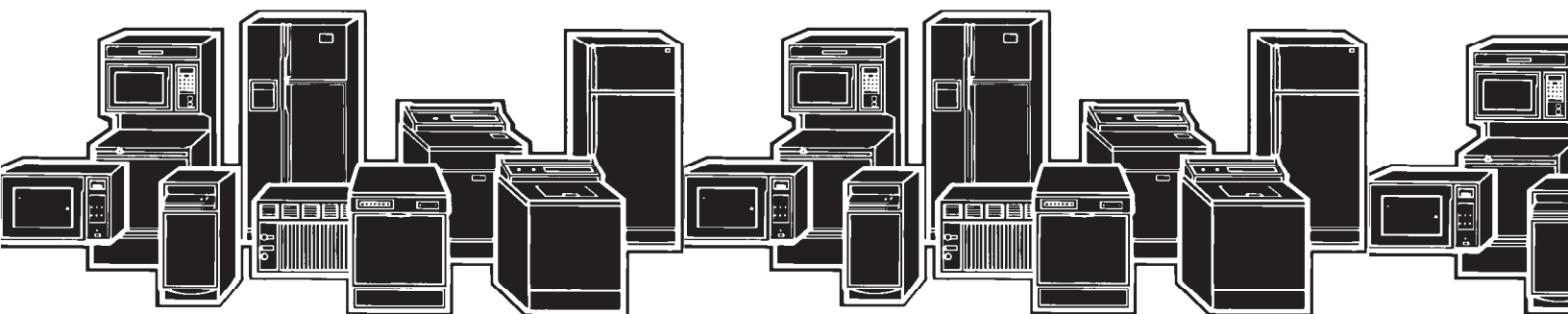
CL-9

HIGH EFFICIENCY TOP LOAD COMMERCIAL WASHER

**Model CAW2762K
Model CAW2762R**



**JOB AID
Part No. 8178129A**



FORWARD

This Whirlpool Job Aid, “High Efficiency Top Load Commercial Washer,” (Part No. 8178129A), provides the technician with information on the installation, operation, and service of the High Efficiency Top Load Commercial Washer. It is to be used as a training Job Aid and Service Manual. For specific information on the model being serviced, refer to the “Tech Sheet” provided with the washer.

The Wiring Diagram is typical and should be used for training purposes only. Always use the Wiring Diagram supplied with the product when servicing the unit.

GOALS AND OBJECTIVES

The goal of this Job Aid is to provide detailed information that will enable the service technician to properly diagnose malfunctions and repair the Whirlpool High Efficiency Top Load Commercial Washer.

The objectives of this Job Aid are to:

- Understand and follow proper safety precautions.
- Successfully troubleshoot and diagnose malfunctions.
- Successfully perform necessary repairs.
- Successfully return the washer to its proper operational status.
- Explain the differences between previous and current version machines.

WHIRLPOOL CORPORATION assumes no responsibility for any repairs made on our products by anyone other than Authorized Service Technicians.

TABLE OF CONTENTS

	Page
GENERAL	1-1
Safety First	1-1
Model & Serial Number Designations	1-3
Model & Serial Number Label And Literature Pack Locations	1-4
Specifications "K" Line.....	1-5
Specifications "R" Line.....	1-6
Warranty	1-7
INSTALLATION INFORMATION	2-1
Washer Installation Instructions	2-1
THEORY OF OPERATION	3-1
COMPONENT ACCESS	4-1
Component Locations	4-1
Removing The Console Components	4-2
Removing The Meter Case Assembly Components	4-5
Removing The Hidden Lid Switch	4-8
Removing The Pump, Motor Start Capacitor, & Motor	4-10
Removing The Agitator & Transmission	4-12
Removing The Cabinet Assembly	4-15
Removing The Dual Vacuum Break	4-17
Removing The Tub Ring, Basket, Outer Tub, And Basket Drive Assembly	4-18
Removing The Suspension System & Base Assembly	4-22
Removing The Rear Panel High Efficiency Components	4-23
COMPONENT TESTING	5-1
Diverter Valve	5-1
Motor	5-2
Motor Thermal Protector Switch	5-3
Dual Water Inlet	5-3
Thermistor	5-4
Hidden Lid Switch	5-5
Motor Start Capacitor	5-5
Pressure Switch	5-6
Cycle Selector Switch Assembly	5-7
Timer Motor	5-7
Basket Drive Shaft Checks	5-8
Automatic Temperature Control	5-9
DIAGNOSIS AND TROUBLESHOOTING	6-1
Cycle Chart "K" Line.....	6-1
Cycle Chart "R" Line.....	6-2
Agitation Cycle Switch Closures	6-3
Sequence Chart	6-3
Bussing Diagram "R" Line.....	6-4
Bussing Diagram "K" Line.....	6-5
Connectors	6-6
Wiring Diagram "R" Line.....	6-7
Wiring Diagram "K" Line.....	6-8

— NOTES —

GENERAL

SAFETY FIRST

Your safety and the safety of others is very important.

We have provided many important safety messages in this Job Aid and on the appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word “DANGER” or “WARNING.” These words mean:

! DANGER

You can be killed or seriously injured if you don’t immediately follow instructions.

! WARNING

You can be killed or seriously injured if you don’t follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

⚠ WARNING



Electrical Shock Hazard

Connect green ground wire to ground screw.

Failure to do so can result in death or electrical shock.

IMPORTANT

Electrostatic Discharge (ESD) Sensitive Electronics

ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.

- Use an antistatic wrist strap. Connect the wrist strap to the green ground connection point, or to an unpainted metal surface in the appliance.

- OR -

- Touch your finger repeatedly to a green ground connection point, or to an unpainted metal surface in the appliance.
- Before removing the part from its package, touch the antistatic bag to a green ground connection point, or to an unpainted metal surface in the appliance.
- Avoid touching electronic parts, or terminal contacts. Handle the electronic control assembly by the edges only.
- When repackaging the failed electronic control assembly in an antistatic bag, observe the previous instructions.

MODEL & SERIAL NUMBER DESIGNATIONS

MODEL NUMBER

MODEL NUMBER	C	A	W	27	6	2	R	Q	0
PRODUCT GROUP C = Commercial Laundry									
PRODUCT IDENTIFICATION A = Automatic Washer E = Electric Dryer G = Gas Dryer S = Stack Dryer									
CONTROL CODE E = Electronic Control M = Electromechanical P = Pushbutton Single Unit or Stacked Pair W = Resource Saver									
FEATURE CODE Cabinet Width in Inches (29" or 27")									
FEATURE / VARIATIONS 4 = Metercase or Coinslide Equipped Stack W/O Windows 5 = Metercase and Coinslide Equipped 6 = Metercase Equipped Stack With Windows 7 = Card Reader Ready / Equipped Stacked Pair 9 = Full Width Console									
FEATURE CODE 0 = Electric 1 = Single Speed or Gas 2 = Two Speed									
YEAR OF INTRODUCTION J= 2000, K= 2001, L= 2002, M= 2003, P= 2004, R= 2005, S= 2006, T= 2007, U= 2008									
COLOR CODE Q = White									
ENGINEERING REVISION NUMBER 0 = Basic, 1 = 1st Revision, 2 = 2nd Revision									

SERIAL NUMBER

SERIAL NUMBER	C	L	16	02287
MANUFACTURING SITE C = Clyde, OH (Washers) M = Marion, OH (Dryers)				
YEAR OF PRODUCTION S= 2005, T= 2006, U= 2007, V= 2008 L= 2001, M= 2002, N or P= 2003, R= 2004				
WEEK OF PRODUCTION				
PRODUCT SEQUENCE NUMBER				

MODEL & SERIAL NUMBER LABEL AND LITERATURE PACK LOCATIONS

The Model & Serial Number label location is shown below. A Literature Pack (not shown) is located behind the front access panel. The pack includes a wiring diagram, parts list, and tech sheet. On older units the literature pack may be located in the control console.

Model & Serial Number Label Location



SPECIFICATIONS

"K" LINE

MODEL NUMBER	CAW2762KQ0
GENERAL INFORMATION	Stainless steel look console, hidden lid switch, porcelain finish top and lid, galvanized, extra thick front panel, galvanized side panels, improved meter case that accepts larger coin box, coinslide or card retrofit kit, reliable single piece agitator, front panel lock ready Commercial-grade color-coded water Inlet hoses with brass couplings and a drain hose included
MOTOR Direct-Drive with Built-In Overload Protector	Two-Speed 1/2-HP 120V
AGITATION STROKES PER MINUTE/ AMPERAGE Maximum rated current	180 spm/high (5.0 AMPS no load) 120 spm/low (5.0 AMPS no load) 9.8 AMPS (120V)
MOTOR RPM	1725 HIGH, 1140 LOW
SPIN RPM	640 HIGH, 420 LOW
ELECTRICAL REQUIREMENTS	120-volt, 60 Hz., A.C. standard 15-amp breaker/ fuse branch circuit for each washer (subject to local codes)
ENERGY CONSUMPTION MEF (MODIFIED ENERGY FACTOR) MEF = C / ETe + De* WF (Water Factor) KW/cycle	1.26 KWh/Cycle/Cu. Ft.** 7.3 Gallons/cycle/cu. Ft.** 3.8178
WATER CONSUMPTION HIGH WATER LEVEL	28.5 gallons (approx.) based on 12.5 lb. load
LOW WATER LEVEL	16.3 gallons (approx.), based on 3 lb. load
AVERAGE CONSUMPTION	22.4 gallons
DIMENSIONS See illustration page	43"H (at meter case top), 35"H (at lid), 27"W, 25.5"D
SHIPPING WEIGHT (EST.)	184
BASKET VOLUME	3.03 CU FT

*C = basket capacity in Cu. Ft.

ETe = total machine energy (water heat plus mechanical) in kWh. De = dryer energy in kWh.

Water heat (Et) energy is obtained by using the hot gallons fill and factoring by load and temperature use values. These values depend on whether the unit in question is adaptive or user selectable for the fills.

Mechanical energy (Me) represents the energy used by just the machine (drive motor, valves, etc.). It is also factored by load and use values and is added to the water heat energy to obtain the total machine energy (ETe).

Dryer energy (De) is based on RMC, which is remaining moisture content, obtained with the maximum load from the table in the energy standard.

All formulas are in the energy standard for washers which is 10 CFR PART 430, SUBPART- B

** California standard is 9.5 WF, 1.26 MEF

SPECIFICATIONS

"R" LINE

MODEL NUMBER	CAW2762RQ0
GENERAL INFORMATION	Stainless steel look / push button console, hidden lid switch, porcelain finish top and lid, galvanized extra thick front panel, galvanized side panels, improved meter case, coinslide or card retrofit kit, two-piece surgilator agitator, front panel lock ready Commercial-grade, color-coded water inlet hoses with brass couplings and a drain Hose included
MOTOR Direct-Drive with Built-In Overload Protector	Two-Speed 1/2-HP 120V
AGITATION STROKES PER MINUTE / AMPERAGE Maximum rated current	180 spm/high (5.0 AMPS no load) 120 spm/low (5.0 AMPS no load) 9.8 AMPS (120V)
MOTOR RPM	1725 HIGH, 1140 LOW
SPIN RPM	640 HIGH, 420 LOW
ELECTRICAL REQUIREMENTS	120-volt, 60 Hz., A.C. standard 15-amp breaker/ fuse branch circuit for each washer (subject to local codes)
ENERGY CONSUMPTION MEF (MODIFIED ENERGY FACTOR) MEF = C / ETe + De* WF (Water Factor) KW/cycle	1.26 KWh/Cycle/Cu. Ft.** 7.3 Gallons/cycle/cu. Ft.** 3.8178
WATER CONSUMPTION*** HIGH WATER LEVEL ***	37.5 gallons (approx.) based on 12.5 lb. load
LOW WATER LEVEL ***	23.22 gallons (approx.), based on 3 lb. load
AVERAGE CONSUMPTION***	30.36 gallons
DIMENSIONS See illustration page	43"H (at metercase top), 36"H (at lid), 26-7/8" W x 25.5" D
SHIPPING WEIGHT (EST.)	184 lbs
BASKET VOLUME	3.2 CU FT (18 lbs U.L.)

*C = basket capacity in Cu. Ft.

ETe = total machine energy (water heat plus mechanical) in kWh. De = dryer energy in kWh.

Water heat (Et) energy is obtained by using the hot gallons fill and factoring by load and temperature use values. These values depend on whether the unit in question is adaptive or user selectable for the fills.

Mechanical energy (Me) represents the energy used by just the machine (drive motor, valves, etc.). It is also factored by load and use values and is added to the water heat energy to obtain the total machine energy (ETe).

Dryer energy (De) is based on RMC, which is remaining moisture content, obtained with the maximum load from the table in the energy standard.

All formulas are in the energy standard for washers which is 10 CFR PART 430, SUBPART - B

** California standard is 9.5 WF, 1.26 MEF

*** Water consumption figured with a DOE calculated clothes load

RESOURCE SAVER WASHER WARRANTY

DURATION OF WARRANTY:	WHIRLPOOL WILL PAY FOR:	WHIRLPOOL WILL NOT PAY FOR:
LIMITED THREE-YEAR WARRANTY FROM DATE OF PURCHASE	FSP® replacement parts only, to correct defects in materials or workmanship. Service must be provided by a Whirlpool-designated service company.	A. Service calls to: 1. Correct the installation of the washer. 2. Instruct you how to use the washer. 3. Replace fuses or correct wiring. B. Repairs when the washer is used in other than normal, commercial use. C. Pickup and delivery. The washer is designed to be repaired where it is installed. D. Damage to the washer caused by accident, alteration, misuse, abuse, fire, flood, acts of God, or use of products not approved by Whirlpool. E. Repairs to parts or systems resulting from unauthorized modifications made to the washer. F. Replacement parts for units operated outside the United States.
LIMITED FOUR-YEAR WARRANTY FROM DATE OF PURCHASE	For four years from the date of purchase, FSP® replacement parts only to correct defects in the gearcase assembly.	
LIMITED SEVEN-YEAR WARRANTY FROM DATE OF PURCHASE	For seven years from the date of purchase, FSP® replacement parts only to correct defects in the cabinet and lid assembly for rust-through, and for defects in the bearing and support assembly.	
LIMITED TEN-YEAR WARRANTY FROM DATE OF PURCHASE	For ten years from the date of purchase, FSP® replacement parts only to correct defects in the washbasket and outer tub.	

WHIRLPOOL CORPORATION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion or limitation may not apply to you. This warranty gives specific legal rights and you may also have other rights which vary from state to state.

Outside the United States, a different warranty may apply. For details, please contact your authorized Whirlpool dealer.

If you need service, first see the "Diagnosis and Troubleshooting" section of this Job Aid. After checking "Diagnosis and Troubleshooting," additional help can be found by calling, **1-800-NO BELTS**, from anywhere in the U.S.A., or at **www.cltpsc.whirlpoolcorp.com**

INSTALLATION INFORMATION

WASHER INSTALLATION INSTRUCTIONS



⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

Check location where washer will be installed. Proper installation is your responsibility. Make sure you have everything necessary for correct installation.

Single washer installations require 30 cm (12 inch) minimum risers to provide an air cushion and prevent noise and damage to valves.

Grounded electrical outlet is required. See "Washer Electrical Requirements" on page 2-2.

Hot and cold water faucets must be within 1.2 meters (4 feet) of the back of the washer and provide water pressure 690 kPa (10-100 PSI). A pressure reduction valve should be used in the supply line where inlet pressure entering the building exceeds 690 kPa (100 PSI) to prevent damage to the washer mixing valve.

Untape and open washer lid. Remove packages and hoses from washer.

#T-20 Torx Screws

Level Floor: Maximum slope under washer is 2.5 cm (1 inch).

Water Heater: Set to deliver 60°C to 70°C (140°F to 160°F) water to the washer.

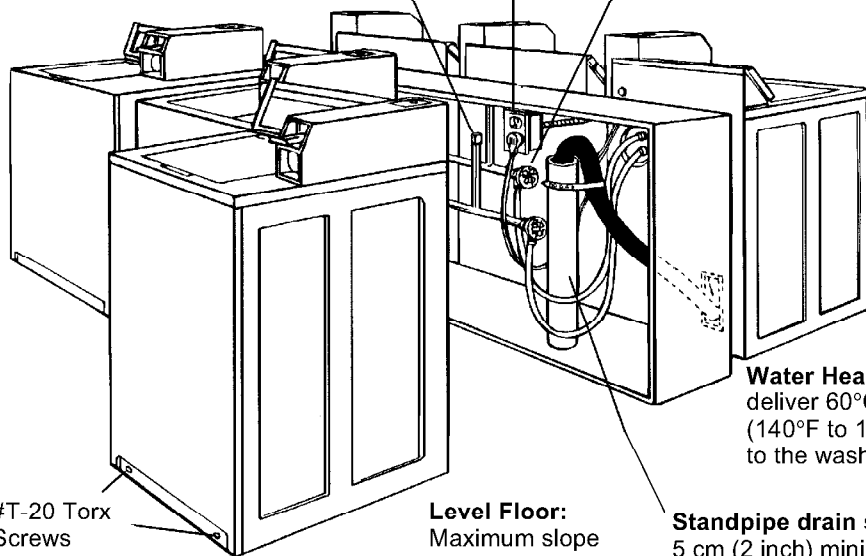
Standpipe drain system: Needs a 5 cm (2 inch) minimum carry-away capacity of 64.4 liters (17 gallons) per minute. Top of standpipe must be at least 86.4 cm, (34 inches) high and no higher than 183 cm (72 inches) from bottom of washer, and open on top.

On coin-operated washers, front access to the pump area is available by removing the two #T-20 Torx screws and then removing the front panel.

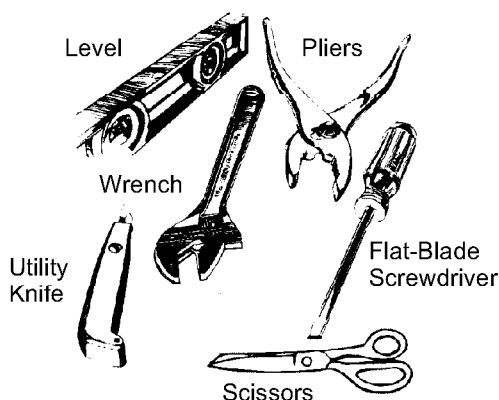
Important: Observe all governing codes and ordinances.

A floor drain should be provided under the bulkhead. Prefabricated bulkheads with electrical outlets, water supply lines, and drain facilities should be used only where local codes permit.

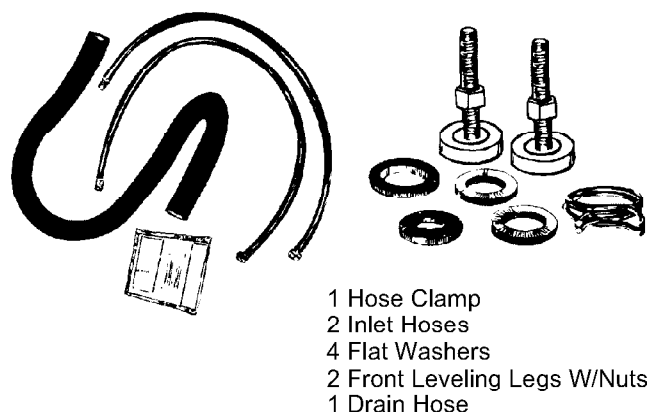
Support: Floor must be sturdy enough to support loaded washer weight of 143 Kg (315 pounds).



TOOLS NEEDED FOR INSTALLATION



PARTS SUPPLIED FOR INSTALLATION



- 1 Hose Clamp
- 2 Inlet Hoses
- 4 Flat Washers
- 2 Front Leveling Legs W/Nuts
- 1 Drain Hose

WASHER ELECTRICAL REQUIREMENTS

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3-prong outlet.
Do not remove ground plug.
Do not use adapter.
Do not use an extension cord.
Failure to do so can result in death or electrical shock.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

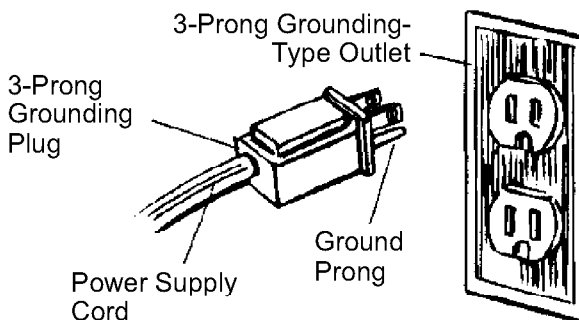
Do Not ground to a gas pipe. Check with a qualified electrician if you are not sure the washer is properly grounded.

Do Not have a fuse in the neutral or ground circuit. A 120-volt, 60-Hz, AC-only, 15- or 20-ampere fused electrical supply is required. (Time-delay fuse or circuit breaker is recommended.)

It is recommended that a separate circuit serving only this appliance be provided.

Recommended Ground Method

For the safety of the customer, this washer must be grounded. The washer is equipped with a power supply cord that has a 3-prong grounding plug.



To minimize a possible shock hazard, the cord must be plugged into a mating 3-prong grounding-type receptacle, which has been grounded in accordance with National Electrical Code (ANSI/NFPA 70), and all local and state codes.

If a mating outlet is not available, it is the personal responsibility and obligation of the customer to have a properly grounded 3-prong outlet installed by a qualified electrician.

WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Do not modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

INSTALLING THE WASHER

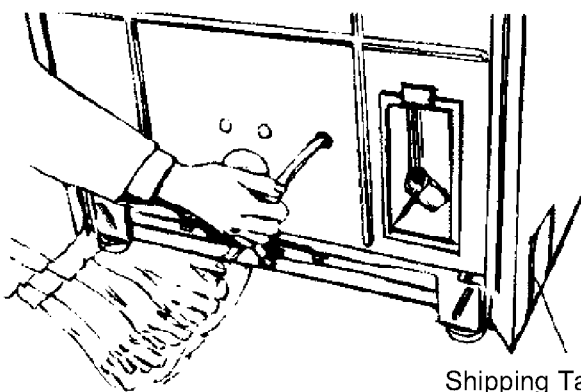
▲WARNING

Excessive Weight Hazard

Use two or more people to move and install the washer.

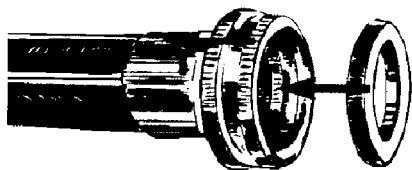
Failure to do so can result in back or other injury.

1. Remove tape that covers shipping strap. Pull to completely remove the shipping strap with 2 cotter pins from the inside of the washer.
2. Pull firmly to remove the end of shipping strap from the back of the washer. The shipping strap plug must be completely removed from the washer for the self-leveling legs to be released. Save the shipping strap for use in step 7.

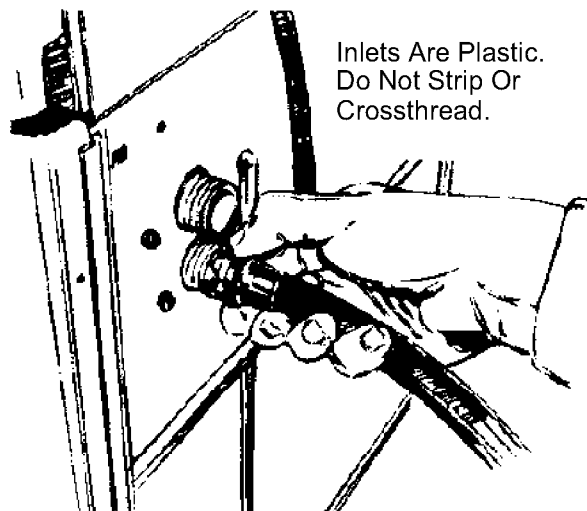


Shipping Tape

3. Insert a flat washer into **each** end of the inlet hoses. Check that washers are firmly seated in couplings.

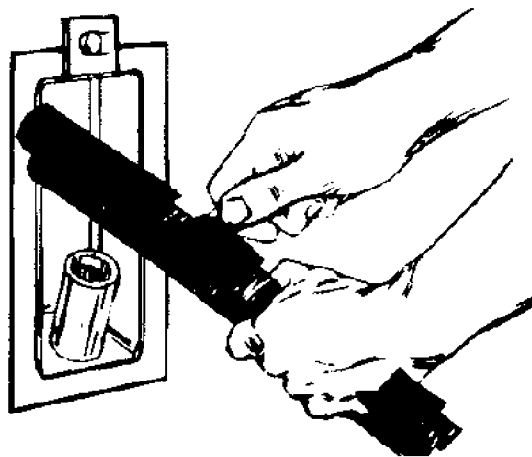


4. Attach hose to bottom inlet valve opening first. Then second hose to top inlet. Tighten couplings by hand; then use pliers to make an additional two-thirds turn. Slide washer onto cardboard or hardboard before moving across floor.

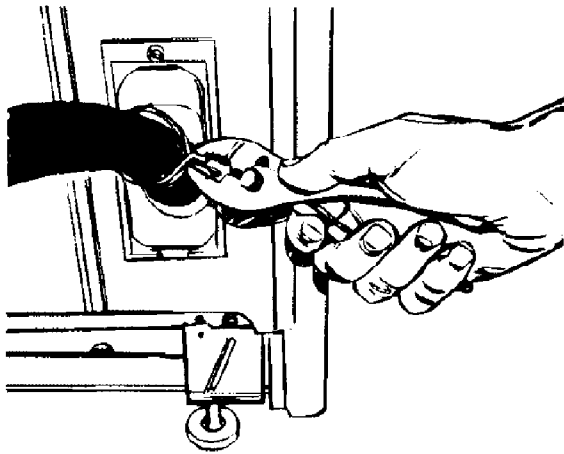


Inlets Are Plastic.
Do Not Strip Or
Crosstread.

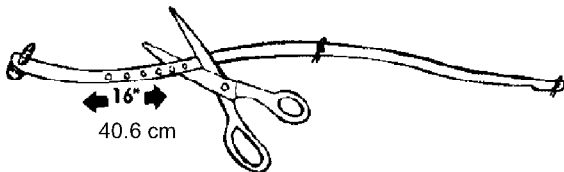
5. Move washer close to final position. Put "hook" end of drain hose into stand pipe. Estimate length of drain hose needed when washer is in final position. Hose must be cut exactly to length so "hook" end is held tightly over edge of stand pipe. If drain hose is too long, cut straight end of hose. **(Do Not cut "hook" shaped end of drain hose.)** DO NOT FORCE EXCESS LENGTH OF DRAIN HOSE DOWN THE STAND PIPE. THIS COULD CAUSE SIPHONING. See Step 8.



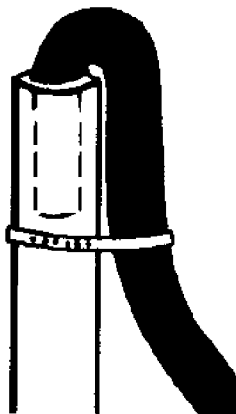
6. Place hose clamp over washer drain connector. Push drain hose onto washer connector. Use pliers to open clamp and slide clamp over drain hose. Check for good fit.



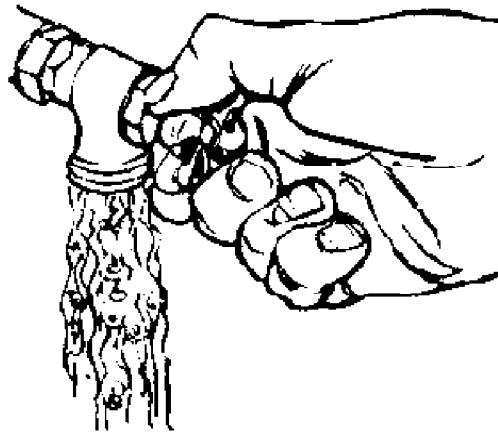
7. Measure and mark a point approximately 40.6 cm (16 inches) from the plug end of the shipping strap. Cut this shipping strap at this point.



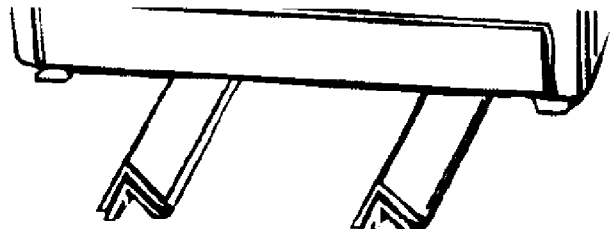
8. Put "hook" end of drain hose into stand pipe. Tightly wrap the shipping strap around the stand pipe. Push plug into the nearest hole in the shipping strap. Check that hose is not twisted or kinked and is securely in place.



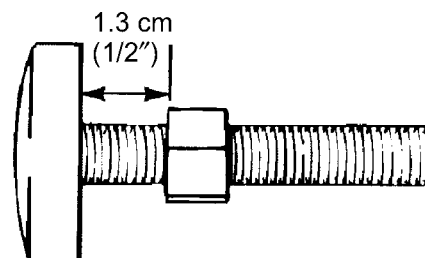
9. Before attaching water inlet hoses, run water through both faucets into a bucket. This will get rid of particles in water lines that might clog hoses. Mark which is the hot water faucet.



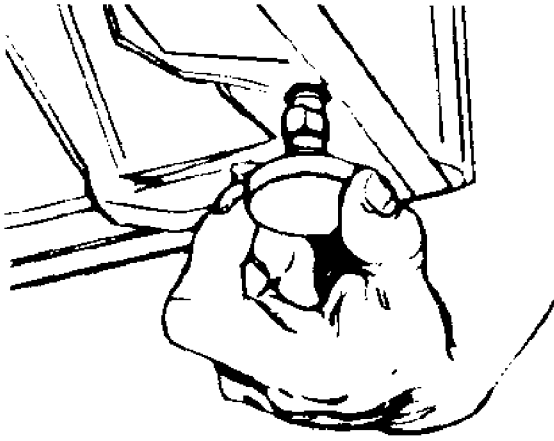
10. Attach bottom hose (inlet marked "H") to hot water faucet. Attach top (inlet marked "C") to cold water faucet. Tighten coupling to faucet by hand, then use pliers to make final two thirds turn.
11. Stack two corner posts on top of each other. Tilt washer backwards and insert corner posts 7.6 cm (3 inches) in from one side of washer as shown. Repeat with other corner posts on other side of washer.



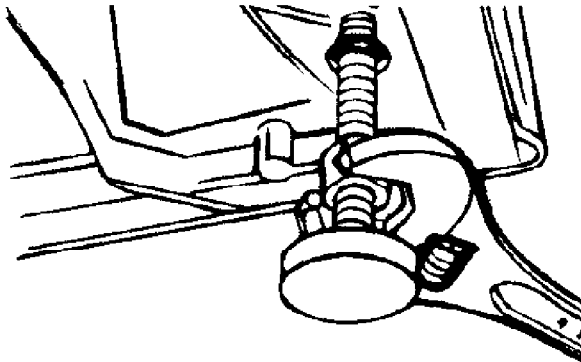
12. Use legs and nuts from parts package. Screw nut down to within 1.3 cm (1/2 inch) of base.



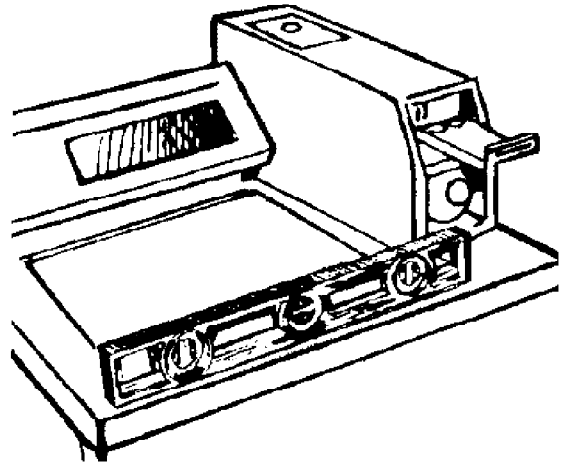
13. Insert legs into correct holes at each front corner of washer until nuts touch washer. Do Not tighten nuts until Step 17.



14. Tilt washer backward and remove corner posts. Gently lower washer to floor. Move washer to its permanent location. Remove cardboard or hardboard from under washer.
15. Tilt washer forward raising back legs 2.5 cm (1 inch) off of floor. To adjust rear leveling legs, gently lower washer to floor.



16. Check for level by placing a level on top of the washer, first side to side, then front to back.



17. If washer is not level, adjust the front legs up or down. Make final check with level. Best results are obtained when the washer is tilted 1/4 bubble toward the rear and level side to side. When washer is level, use wrench to turn nuts on front legs up tightly against washer base. If nuts are not tight against washer base, the washer may vibrate.
18. Check that all parts are now installed. If there is an extra part, go back through steps to see which step was skipped.
19. Turn on water faucets and check for leaks. Tighten couplings if there is leaking. Do Not over tighten; this could cause damage to faucets.
20. Check that you have all of your tools. Check that the shipping strap with 2 cotter pins and plug was removed from the back of the washer and used to secure the drain hose. If entire strap is not removed, washer may vibrate and be noisy.
21. Untape power supply cord and plug into grounded outlet.
22. Install the chosen money acceptor per the instructions under the appropriate money acceptor section of this Job Aid.

⚠ WARNING



Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

MONEY ACCEPTOR INSTALLATION

A money acceptor is a mechanical or SMART card device that allows the Washer to start after value in the form of coins or card debit is input into the acceptor. The High Efficiency Top Load Commercial Washer comes from the factory without any money acceptors installed. The end user must install the money acceptor of their choice from a manufacturer of these devices. Money acceptors are available in three basic varieties: coinslides, coindrops and SMART cards. Current mechanical models can accept both slides and card readers.

Washer run time is not additive. Once the wash cycle begins, no additional time can be added. Any coinslide activity during the wash cycle is wasted.

NOTE: WHIRLPOOL DOES WARRANTY THE PROPER OPERATION OF MONEY ACCEPTORS. PRODUCT MODIFICATIONS VOID THE WHIRLPOOL WARRANTY.

NOTE: Sharp edges may be present.

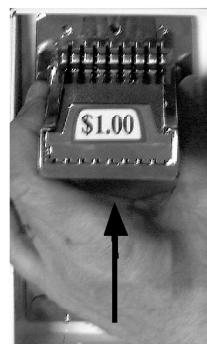
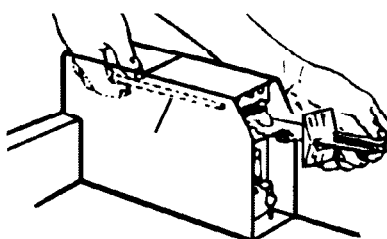
COINSLIDE INSTALLATION

The following procedure will guide the user through coinslide installation and vend price change for a factory equipped or ESD vertical 8 coinslide. The procedure will be similar for other coinslides. Consult the manufacturers instructions for other models.

If the coinslide is installed in the washer, it must be removed prior to changing the vend price. If the coinslide has not yet been installed, skip to step 6.

Follow these instructions to ensure proper electrical grounding of the coinslide unit. Failure to do so can result in death or electrical shock.

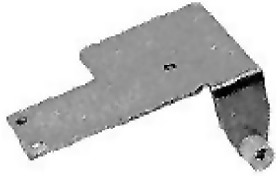
1. Unplug or disconnect the washer unit from electrical power.
2. Remove meter case top access panel.
3. Remove any existing money acceptor if currently installed. If the current acceptor is a coinslide, unscrew the coinslide retaining bolt with a 5/16" socket by turning counterclockwise, and remove the bolt.



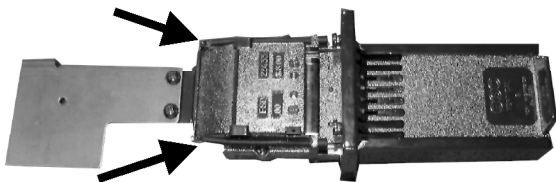
4. Push the coinslide up, and then remove from the meter case.
5. Coinslides and extensions are available from manufacturers of these devices, pictured is typical for use on all mechanical models.



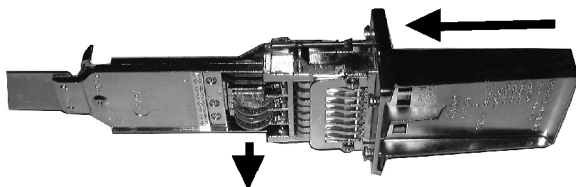
6. Install the washer coinslide extension onto the coinslide using the screws packed with the coinslide kit. The vend price may now be adjusted from \$.25 to \$2.00 on a V8 coinslide as needed. To change the vend price, follow steps 7-14.



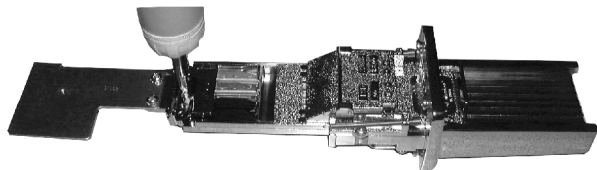
7. Set the coinslide and extension assembly on a level surface and remove the return spring(s) from the spring bracket.



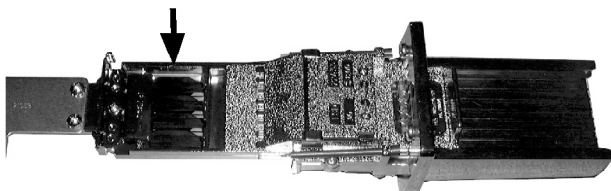
8. Place coins in the coinslide of the proper vend amount (factory preset on coin-equipped models is \$1.00) and push the coinslide all the way in until the coins drop through the coinslide.



9. With the coinslide still all the way inserted, remove the spring bracket screw and spring bracket.

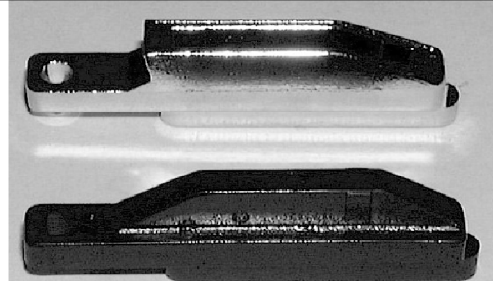


10. Remove the coin inserts (2 blank, 2 functional) from the coinslide area shown below.



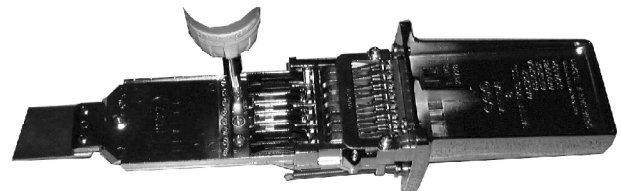
NOTE: The coinslide comes with enough inserts to increase or decrease the vend price by \$.50. If a higher or lower vend price is desired, more functional or blank inserts are necessary. Inserts may be ordered from Whirlpool Corporation only for models that come factory coinslide equipped, or coinslides manufactured by ESD. If the coinslide is other than Whirlpool factory equipped, additional inserts must be ordered from the coinslide manufacturer.

\$.25 US insert (Whirlpool Corp. part #8316265)

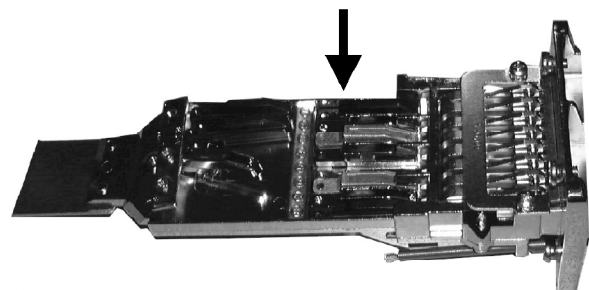


Insert blank (Whirlpool Corp. part # 8316264)

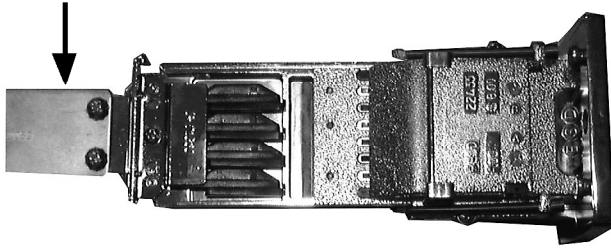
11. Turn the coinslide upside down and remove the three screws in the insert retaining plate.



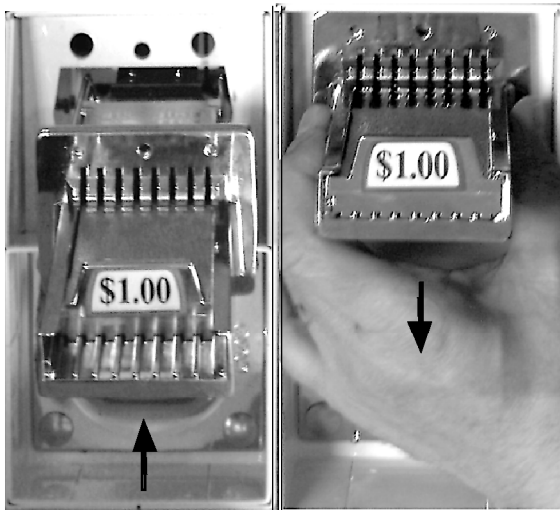
12. To increase the vend price, remove blank inserts and insert the metal functional inserts. To decrease the vend price, remove functional inserts and add blank inserts.



13. Reinstall the three insert retaining plate screws, flip the coinslide over, and reinstall unused inserts (up to 4 count). Reinstall the spring bracket and retaining screw.



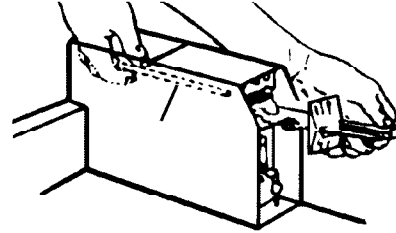
14. Release the coinslide and reinstall the coinslide return spring(s) onto the spring bracket.
15. Insert coins into the coinslide and test prior to installation of the coinslide into the washer.
16. The coinslide may need to be partially pushed in to install it into the meter case (see photo A).
17. Insert the coinslide and extension assembly into the meter case and push down slightly to lock into place (see photo B).



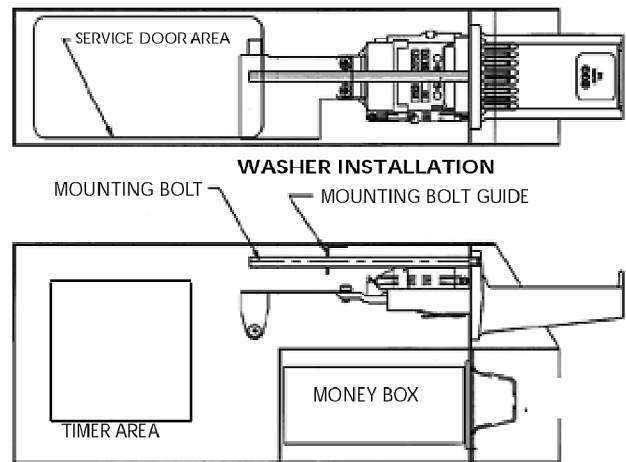
A

B

18. Insert the coinslide retaining bolt from the meter case top access panel into the back of the coinslide, and hand tighten to start the threads prior to using any tools to avoid stripping the coinslide or retaining bolt threads.



19. Affix the proper new vend price sticker to the front of the coinslide.
20. Reinsert the timer access panel and lock.
21. Reconnect to electrical power and insert coins to insure the cycle starts.

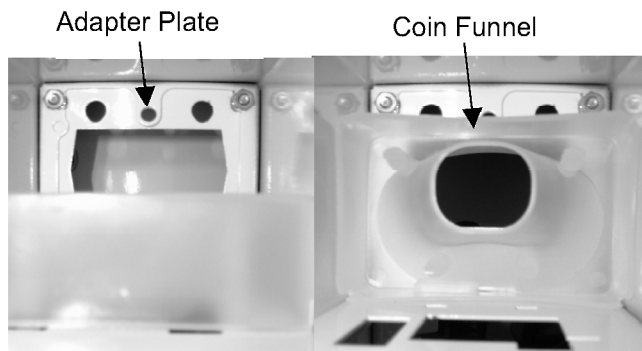


SMART CARD INSTALLATION For "R" LINE MODEL ONLY

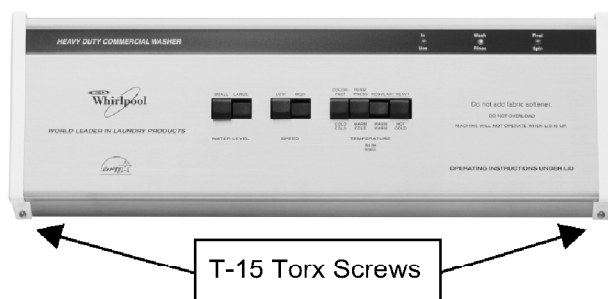
(Due to addition of Feature Connector Harness on timer)

1. Unplug or disconnect the washer from electrical power.
2. Remove meter case top access panel.
3. Remove any existing money acceptor if currently installed.
4. Remove the coinslide adapter plate from the meter case by removing the three hex mounting nuts; one from the top on the coin vault opening and two from the front top of the coinslide front access opening.

5. Release the coin funnel from the meter case by releasing the plastic retaining clips and turning the funnel up as shown, then remove the funnel through the timer access panel.

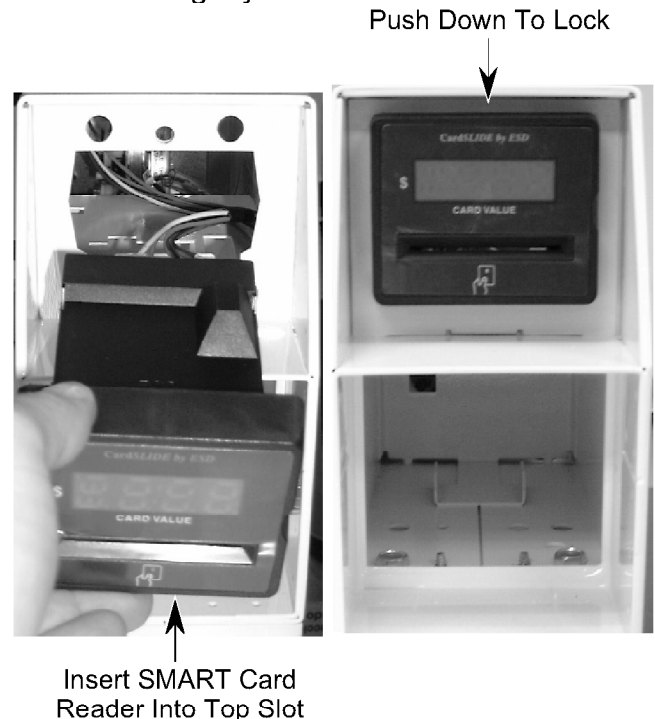


6. Unpack the SMART Card reader and wiring harness included with the card reader kit.
7. Remove the two T-15 Torx screws from the bottom of the control panel console and swing the console open into the service position.



8. Thread the wiring harness from the console into the meter case through the harness opening in the rear of the meter case.
9. Attach the power supply wiring harness to the card reader, then to the power supply as specified in the manufacturers instructions.
10. Install the SMART Card power supply in the console as specified in the manufacturers installation instructions.
11. Attach all additional SMART Card kit connections to washer wiring harness as specified in the manufacturers instructions.

12. Close the console and replace the two Torx T-15 screws.
13. Install the card reader into the upper meter case opening. Push the card reader into the meter case, then lock it by pushing down slightly.



14. Install the card reader retaining screw included with the kit, or a standard coinslide retaining bolt.
15. Reconnect power and set the vend price on the set up card.
16. Insert the set up card into the card reader and verify vend settings match on the washer display and the card reader display.
17. Insert the user card to verify proper operation.

— NOTES —

THEORY OF OPERATION

"K" LINE MODEL

The Whirlpool High Efficiency Top Load Commercial Washer is the first top-loading washing machine to receive *Energy Star*® designations.



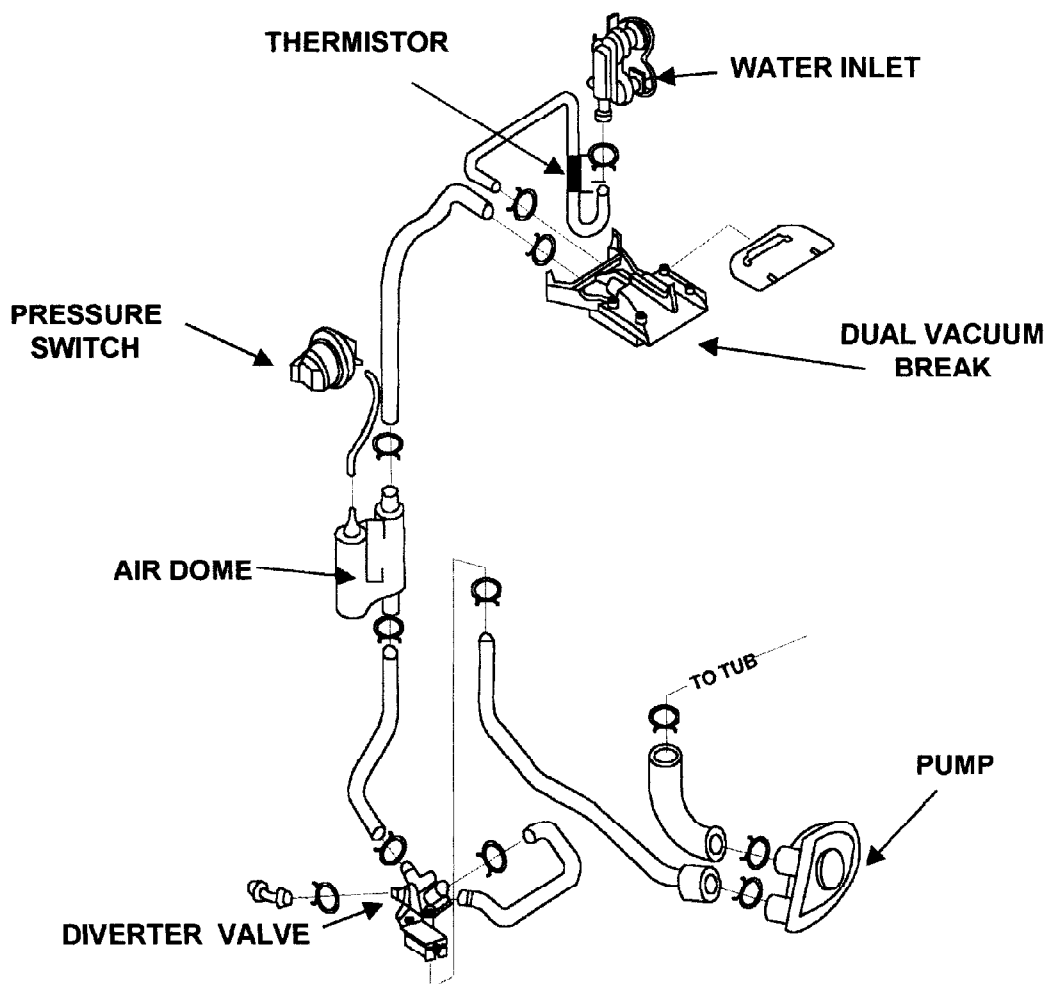
Look for the label

The *Energy Star*® program was established by the U.S. Department of Energy and the U.S. Environmental Protection Agency to help consumers quickly and easily identify products that save energy and help protect the environment. As an *Energy Star*® partner, Whirlpool Corporation has determined that products bearing this mark meet the *Energy Star*® guidelines for energy efficiency.

The High Efficiency Top Load Commercial Washer is designed to successfully wash clothes with up to approximately 28% less water per load*.

The washer uses a series of "spray rinses" rather than a "deep rinse," as in other conventional washers. As water is sprayed onto the spinning clothes, they become saturated with water and detergent. The rinse water is then extracted from the spinning clothes, and diverted back into the basket, where it is recirculated, and sprayed back onto the spinning clothes in the sequence specified in the cycle progression chart, shown on page 3-3.

* Source: Battelle Pacific Northwest Laboratory-testing compares the High Efficiency Top Load Commercial Washer to a General Electric baseline top-loading washer.



Two water levels allow efficient use of the washer for both large and small loads. Four wash/rinse temperature combinations help to provide the right washing conditions for a wide range of fabrics: Heavy (Hot/Cold), Regular (Warm/Warm), Permanent Press (Warm/Cold), and Colorfast (Cold/Cold).

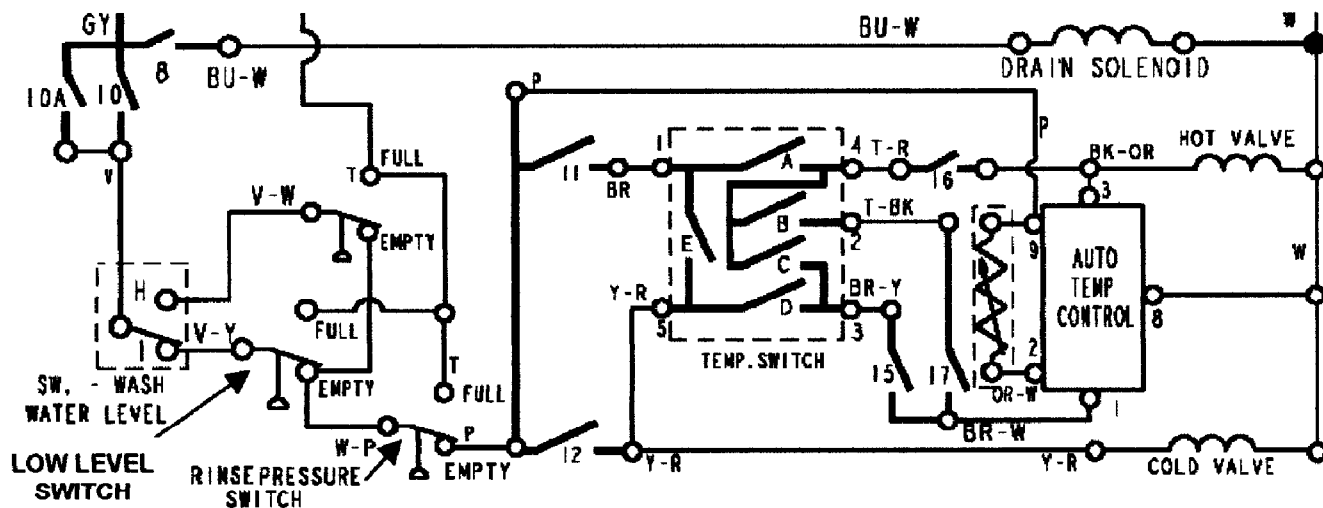
The High Efficiency Top Load Commercial Washer has the following unique components:

- Automatic Temperature Control.
- A recirculation system (dual vacuum break, diverter valve, second and third pressure switches, and an extra air dome).
- A total of three pressure switches:
 - The first to control the high water level.
 - The second for the low water level.
 - The third to control water level during the fill and recirculate portion of the spray rinse.

- An additional splash shield on the tub ring, and a splash shield on the washer top, prevent water and suds from spraying up over the tub ring onto the floor.

During the cycle, the water level switch for the selected water level (high or low) must be in the empty position in order for the rinse switch to be powered (see the illustration below).

The High Efficiency Top Load Commercial Washer uses four short duration fresh spray rinses in place of a standard wash cycle drain and spin. During the rinse portion of the cycle, the washer has 5 recirculating fresh spray rinses in place of a deep rinse. Next is a final recirculation only rinse for 1.5 minutes prior to final spin.



CYCLE PROGRESSION CHART

(R and K) MODEL LINES

CAW2762RQ TOP LOAD WASHER			CAW2762KQ TOP LOAD WASHER	
	WASHER FUNCTION	COMPONENTS OPERATING	WASHER FUNCTION	COMPONENTS OPERATING
WASH	FILL	FILL VALVE, ATC*	FILL	FILL VALVE, ATC*
	AGITATE (10.5-min.)	TIMER MOTOR, DRIVE MOTOR IN AGITATE-DIRECTION	AGITATE	TIMER MOTOR, DRIVE MOTOR IN AGITATE DIRECTION
	DRAIN (1.5 min.)	TIMER MOTOR DRIVE MOTOR IN SPIN DIRECTION HIGH-SPEED	ADVANCED SPRAY (RECIRCULATE VALVE POWERED OPEN TO ALLOW DRAINING)	DRIVE MOTOR LOW SPEED IN SPIN DIRECTION, TIMER MOTOR, DRAIN SOLENOID, FILL VALVE ON FOR 4 SHORT DURATION ATC* CONTROLLED SPRAYS
	PAUSE (3-5 (3-5 SECONDS FOR NEUTRAL DRAIN TO UNLOCK & SPIN))	TIMER MOTOR		
	SPIN (2-min.)	TIMER MOTOR DRIVE MOTOR IN SPIN DIRECTION HIGH-SPEED	DRAIN (RECIRCULATE VALVE POWERED OPEN TO ALLOW DRAINING)	TIMER MOTOR, DRIVE MOTOR LOW SPEED IN SPIN DIRECTION, DRAIN SOLENOID
RINSE	FILL	FILL VALVE, ATC*	PAUSE (30 SECONDS TO REDUCE SUDS)	TIMER MOTOR
			ATC* FILL/ RECIRCULATE SPIN (30 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, RINSE LIGHT, ATC*, FILL VALVE (UNTIL SPRAY TIME ENDS OR RECIRCULATE LEVEL FULL)
	RINSE (AGITATE 3.5-min.)	TIMER MOTOR DRIVE, MOTOR IN AGITATE-DIRECTION	DRAIN/SPIN	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, DRAIN SOLENOID, RINSE LIGHT
	DRAIN (1.5-min.)	TIMER MOTOR DRIVE MOTOR IN SPIN DIRECTION HIGH-SPEED	ATC* FILL/ RECIRCULATE SPIN (30 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, RINSE LIGHT, ATC*, FILL VALVE (UNTIL SPRAY TIME ENDS OR RECIRCULATE LEVEL FULL)
	PAUSE (3-5-SECONDS FOR NEUTRAL DRAIN TO UNLOCK & SPIN)	TIMER MOTOR	DRAIN/SPIN (90 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, DRAIN SOLENOID, RINSE LIGHT
	SPIN (4.5-min.)	TIMER MOTOR DRIVE MOTOR IN SPIN DIRECTION HIGH SPEED	ATC* FILL/ RECIRCULATE SPIN (30 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, RINSE LIGHT, ATC*, FILL VALVE (UNTIL SPRAY TIME ENDS OR RECIRCULATE LEVEL FULL)
			DRAIN/SPIN (90 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, DRAIN SOLENOID, RINSE LIGHT
			ATC* FILL/ RECIRCULATE SPIN (30 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, RINSE LIGHT, ATC*, FILL VALVE (UNTIL SPRAY TIME ENDS OR RECIRCULATE LEVEL FULL)
			DRAIN/SPIN (90 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, DRAIN SOLENOID, RINSE LIGHT
			ATC* FILL/ RECIRCULATE SPIN (2 MINUTES)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, RINSE LIGHT, ATC*, FILL VALVE (UNTIL SPRAY TIME ENDS OR RECIRCULATE LEVEL FULL)
			RECIRCULATE/SPIN (90 SECONDS)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, RINSE LIGHT
			DRAIN/SPIN (5 MINUTES)	DRIVE MOTOR HIGH SPEED IN SPIN DIRECTION, TIMER MOTOR, DRAIN SOLENOID, SPIN LIGHT

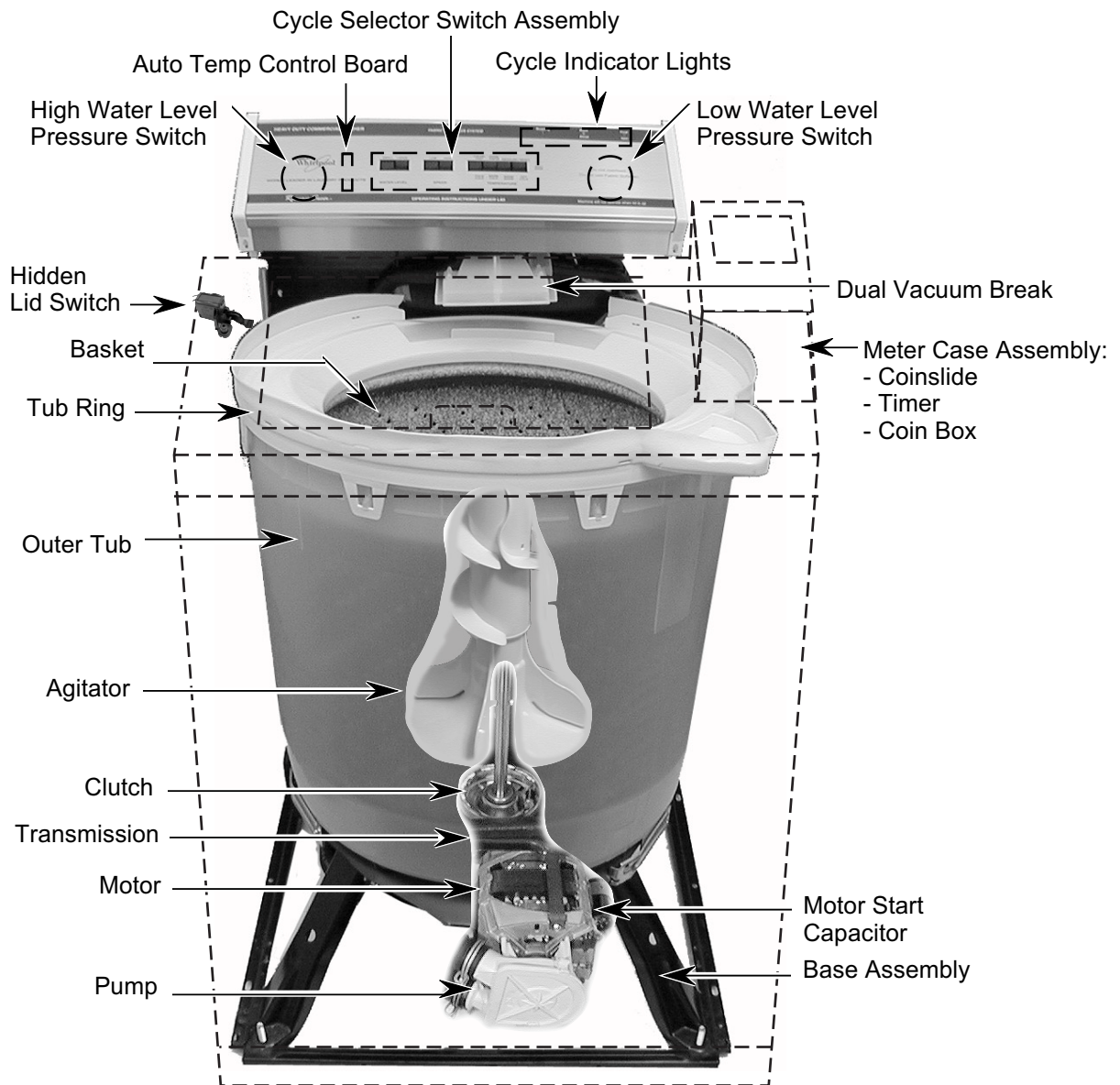
* ATC controls only Warm or Hot temperature selections to insure maximum temperature of 100°F hot and 75°F warm. All ATC temps are maintained at ± 5° F.

— NOTES —

COMPONENT ACCESS

This section instructs the technician on how to service each component inside the High Efficiency Top Load Commercial Washer. The front accessible washer components and their locations are shown below. The High Efficiency components of CAW2762KQ are shown on page 4-23.

COMPONENT LOCATIONS



REMOVING THE CONSOLE COMPONENTS

⚠ WARNING



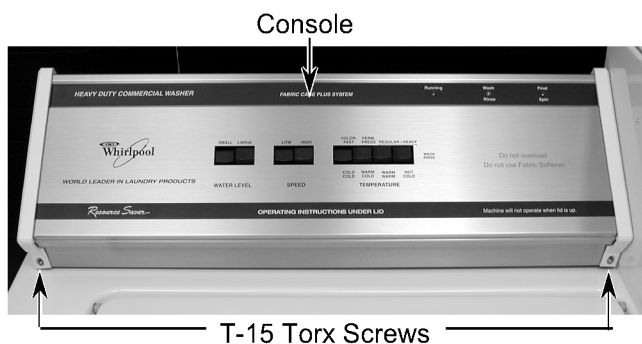
Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

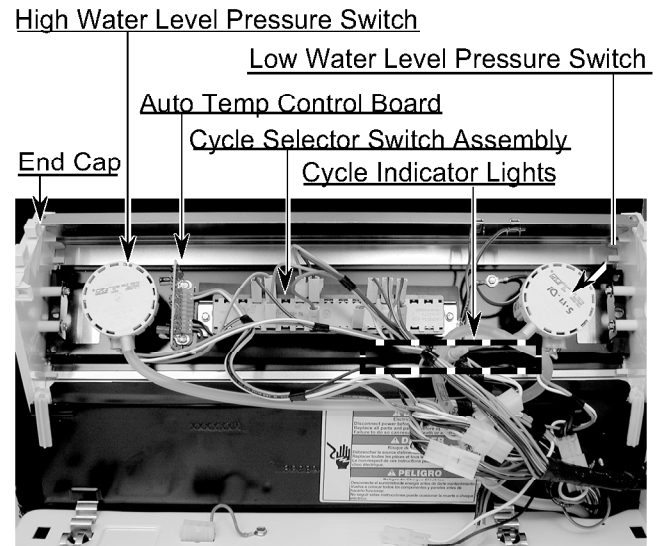
The console consists of the following serviceable components:

- Water Level Pressure Switches
- Cycle Indicator Lights (3)
- Cycle Selector Switch Assembly
- Auto Temp Control Board
- End Cap

1. Unplug the washer or disconnect the power.
2. Remove the two T-15 Torx screws from the console.

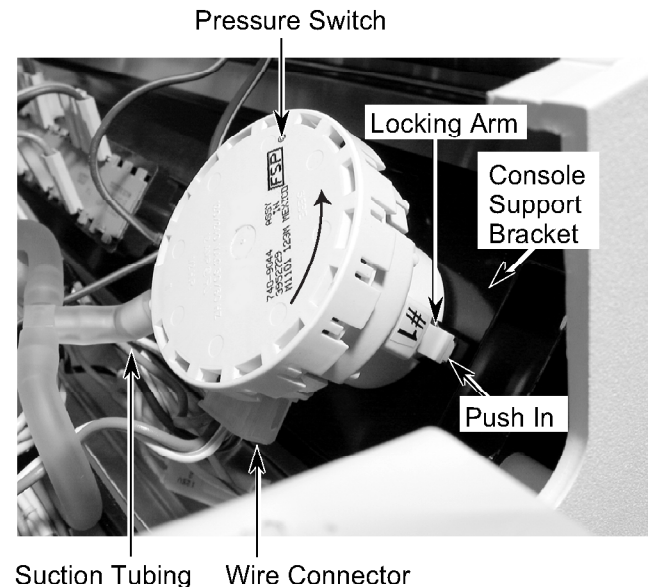


3. Rotate the console back on its two hinges to the service position.



4. **To remove a water level pressure switch:**

- a) Push in on the locking arm and rotate the switch in either direction, until the square extrusion on the switch aligns with the cutout in the console support bracket, and remove the switch.

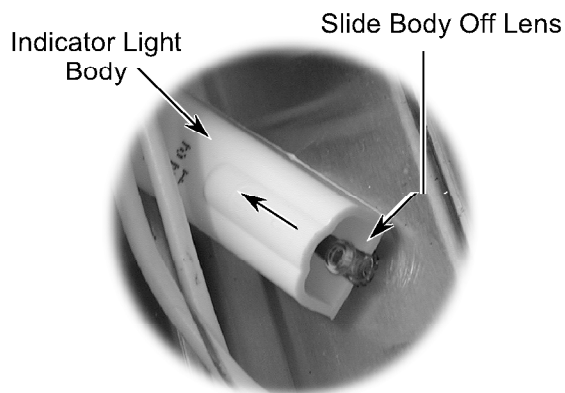
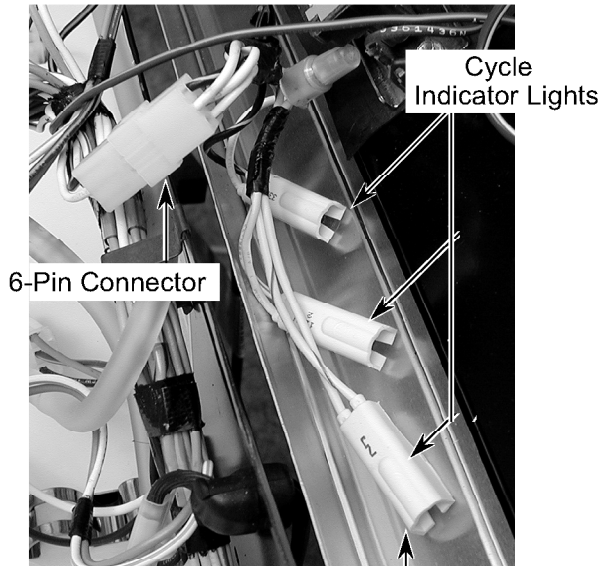


- b) Disconnect the suction tubing from the switch.
- c) Pull out on the locking arm of the wire connector to release it, and pull the connector off the switch pins.

5. **To remove a cycle indicator light:**

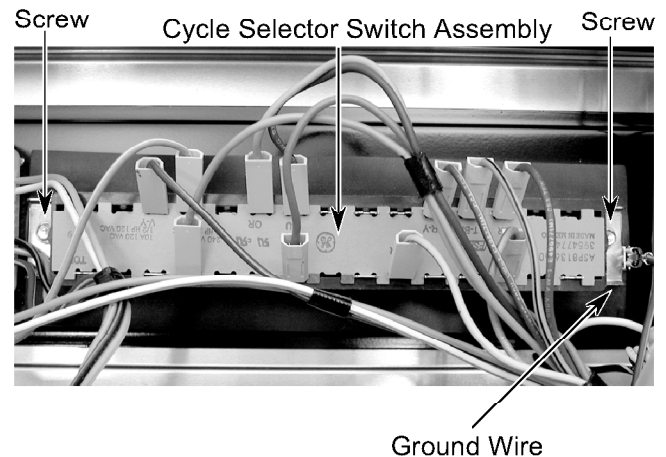
NOTE: All three indicator lights must be removed and replaced as an assembly.

- a) Press in slightly on the body and slide it off the lens.
- b) Disconnect the 6-pin connector from the main harness.



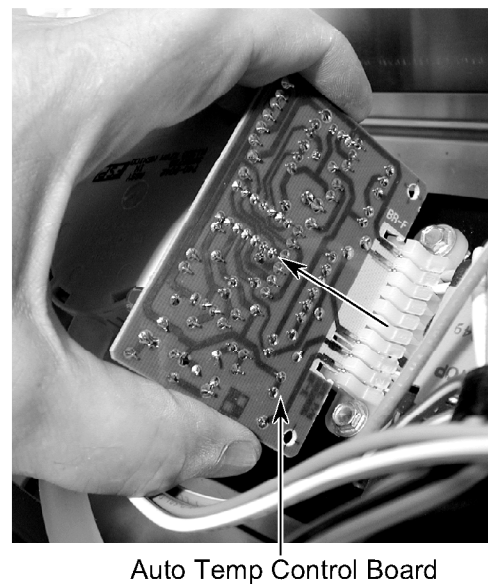
6. **To remove the cycle selector switch assembly:**

- a) Disconnect the 11 wire connectors and the green ground wire from the switch terminals.
- b) Remove the two hex-head screws.



NOTE: Refer to the Electrostatic Discharge information on page 1-2 before performing the next step.

7. **To remove the auto temp control board,** pull the board out of the connector. Handle the board only by the edges.



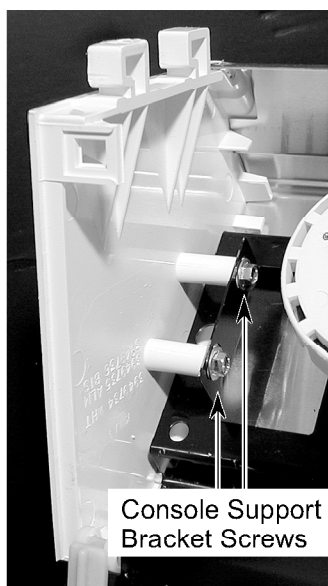
Continued on the next page.

8. **To remove an end cap from the console:**

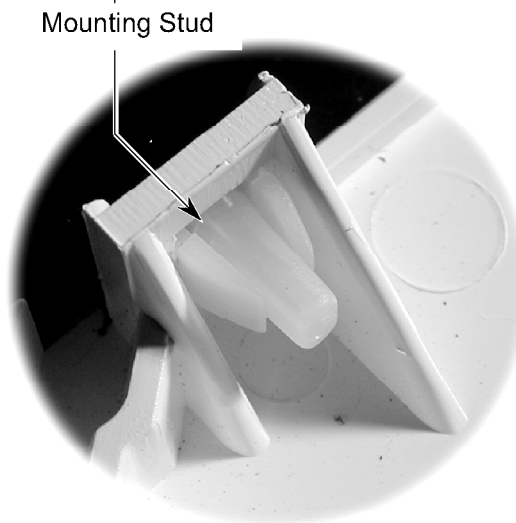
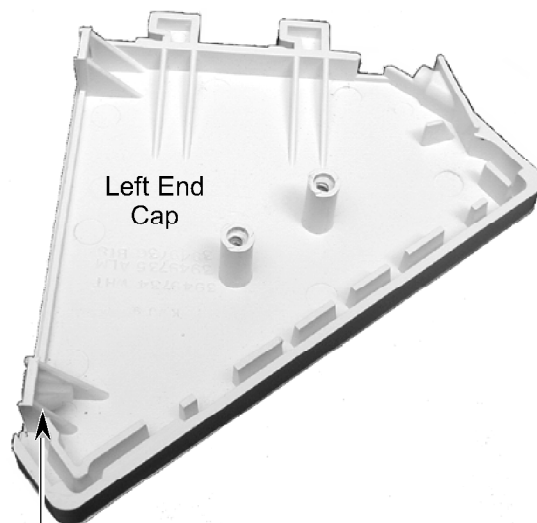
- a) Remove the hex-head screw from the back of the end cap.



- b) Remove the two hex-head screws from the console support bracket, and slide the end cap off the end of the panel.



- c) If a mounting stud is not installed on the new end cap, remove the stud from the old cap, and install it on the new one.



REASSEMBLY NOTE:

⚠ WARNING

Electrical Shock Hazard Connect green ground wire to ground terminal. Failure to do so can result in death or electrical shock.

REMOVING THE METER CASE ASSEMBLY COMPONENTS

⚠ WARNING



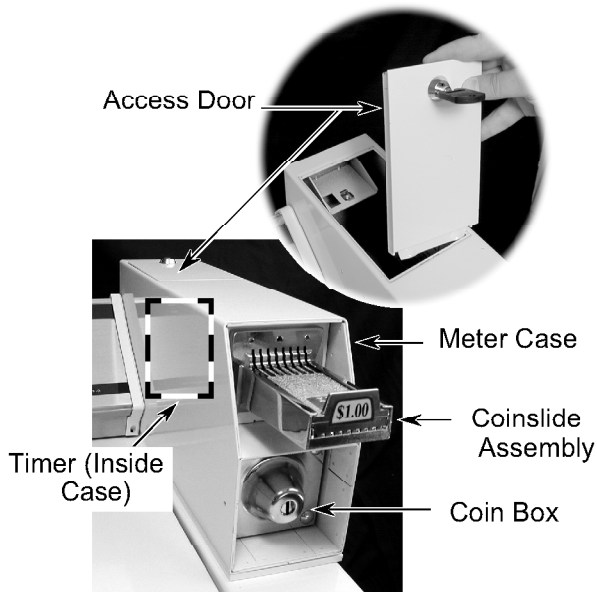
Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

The meter case assembly consists of the following serviceable components:

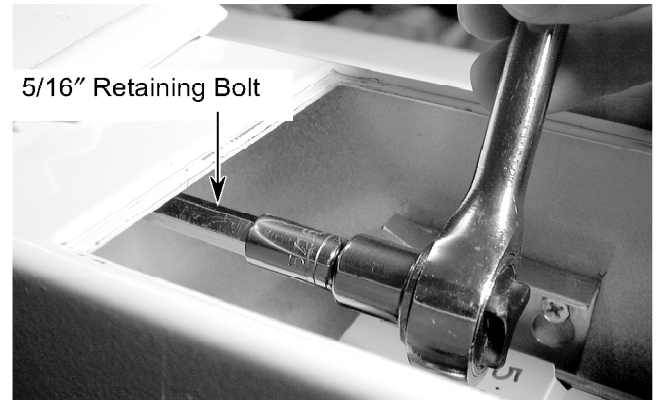
- The Money Acceptor
- Timer
- Meter Case
- Coin Box

1. Unplug the washer or disconnect the power.
2. Unlock the service access door and remove it from the top of the meter case.



3. To remove the coinslide assembly:

- a) Using a 5/16" socket, unscrew the retaining bolt from the coinslide, and remove the bolt from inside the meter case.



- b) Lift the coinslide to release it from the holes in the meter case, and pull it forward out of the meter case.

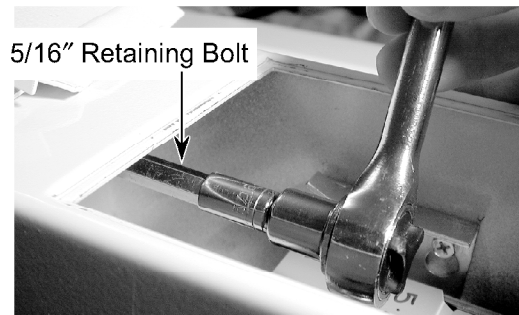


Continued on the next page.

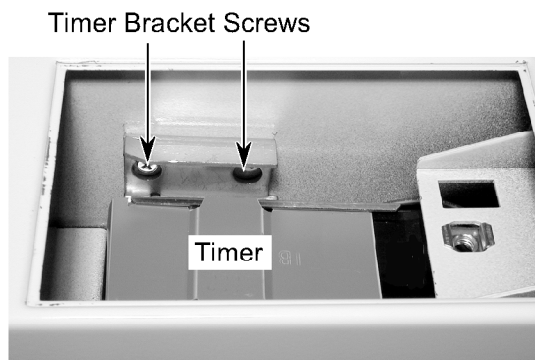
NOTE: A coinslide is the most common money acceptor, and is referenced in this procedure.

4. **To remove the timer:**

- a) Using a 5/16" socket, unscrew the retaining bolt from the coin slide, and remove the bolt from inside the meter case.

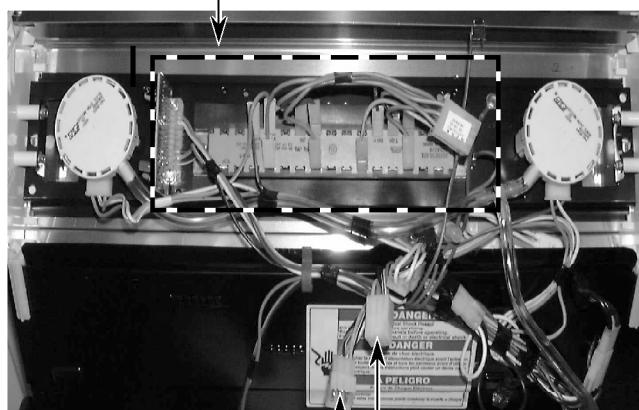


- b) Loosen (do not remove) the two timer bracket screws from the inside of the meter case.



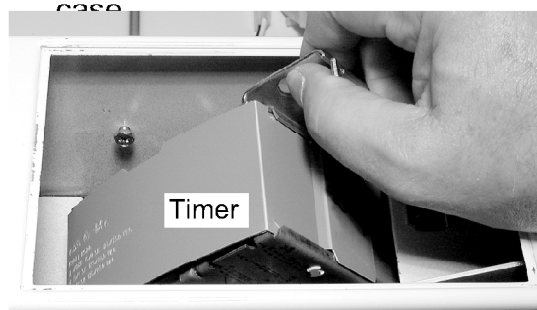
- c) Unplug the two 9-pin timer wiring harness connectors at the console.
- d) Disconnect the main harness connector from the cycle selector switch assembly.

Cycle Selector Switch Connectors (9)



9-Pin Connectors

- e) Lift the timer assembly off the bracket screws and remove it from the meter case.



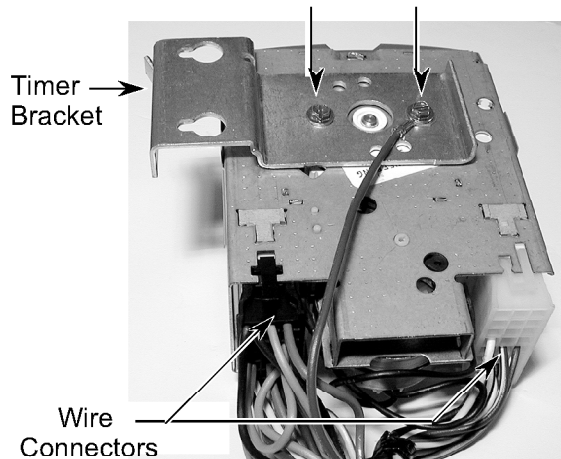
- f) Loosen the two setscrews on the timer clutch hub and pull the timer clutch assembly off the timer shaft.



Timer Clutch Hub With 2 Setscrews

- g) Remove the two 5/16" hex-head screws and ground wire from the timer bracket and remove the bracket.
- h) Disconnect the two wire connectors from the timer.

5/16" Hex-Head Screws & Ground Wire



5. **To remove the meter case:**

- a) Remove the coinslide assembly and the timer from the meter case (see steps 3 and 4 on pages 4-5 and 4-6 for the procedures).
- b) Unlock and remove the coin box.

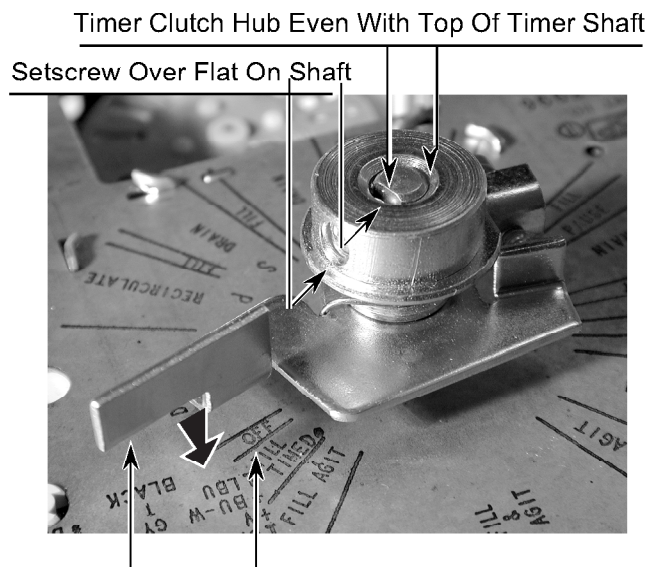


- c) Unsnap the locking arms from the bottom of the coin funnel and remove the funnel from the meter case.
- d) Remove the 1/2" hex-head screws from the front and rear of the meter case, then lift the meter case off the washer, and remove it.



REASSEMBLY NOTES:

- When installing the timer clutch assembly on the timer shaft, be sure to position the indicated setscrew over the flat portion of the timer shaft, as shown in the photo below.
- Keep the top of the timer clutch hub even with the top of the timer shaft.
- If not already there, rotate the timer clutch assembly to the OFF position (shown on the timer case) before mounting the timer assembly in the meter case.



Clutch Assembly At OFF Position

- Operate the coinslide to make sure that the coinslide extension engages the timer clutch arm and starts the cycle.

⚠ WARNING



Electrical Shock Hazard

Connect green ground wire to ground screw.

Failure to do so can result in death or electrical shock.

REMOVING THE HIDDEN LID SWITCH

⚠ WARNING



Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

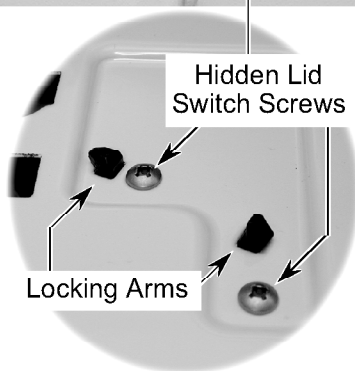
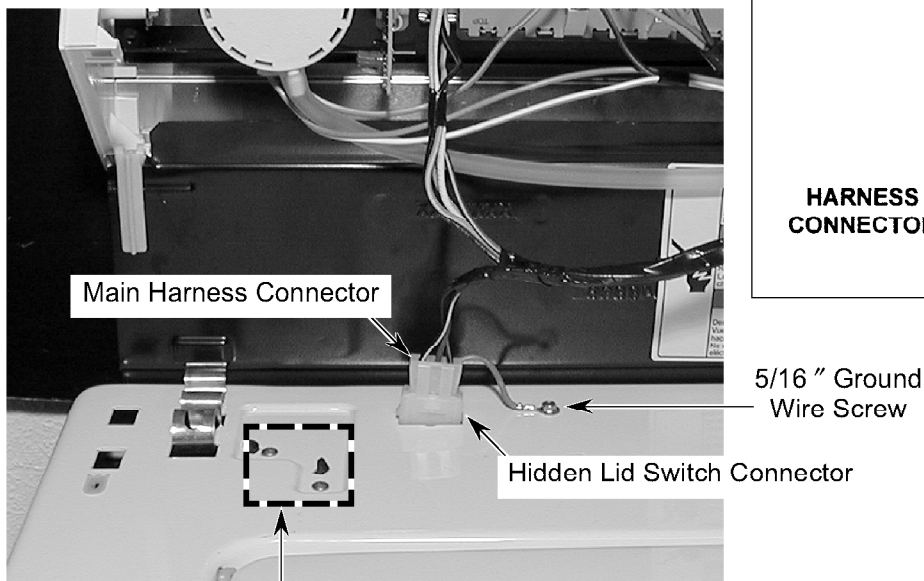
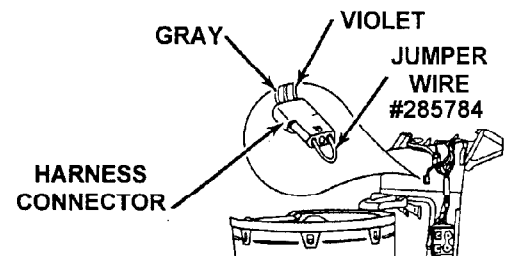
NOTE: Sharp edges may be present.

1. Unplug the washer or disconnect the power.

2. Position the console to its service position (see page 4-2 for the procedure).
3. Disconnect the main harness connector from the hidden lid switch connector.
4. Remove the 5/16" hex-head screw from the hidden lid switch ground wire.
5. Press the locking arms on the lid switch connector to release them, and push the connector out of the cutout.
6. Remove the two hidden lid switch mounting screws.

NOTE: If necessary, the washer can be operated in all cycles with the cabinet removed. Install a jumper wire in the lid switch harness connector as shown.

IMPORTANT: Use extreme caution when operating the washer with the cabinet removed.



7. Raise the washer lid.
8. From the left side of the unit, reach between the cabinet top and the tub ring and grasp the hidden lid switch. With your other hand, release the locking arm on the hidden lid switch from the cabinet top, and remove the switch.



!WARNING



Electrical Shock Hazard

Connect green ground wire to ground screw.

Failure to do so can result in death or electrical shock.

REASSEMBLY NOTE: When you reinstall the hidden lid switch, mount the switch first, and then insert the switch harness connector into the top of the washer.

REMOVING THE PUMP, MOTOR START CAPACITOR, & MOTOR

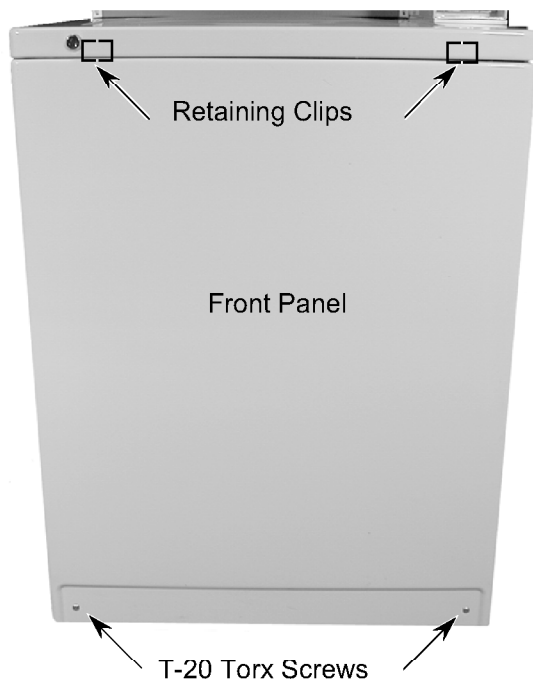
⚠ WARNING



Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

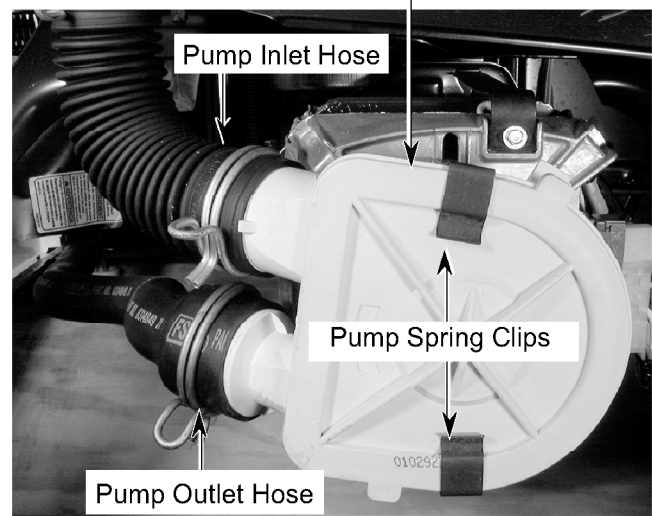
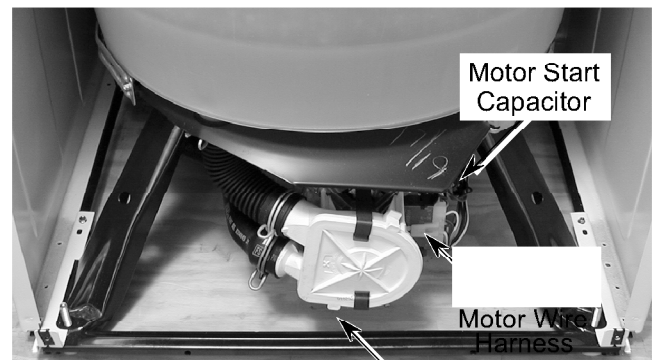
1. Unplug the washer or disconnect the power.
2. Remove the two T-20 Torx screws from the bottom of the front panel.
3. To remove the front panel, pull the bottom forward to release it from the two top retaining clips, and remove the panel.



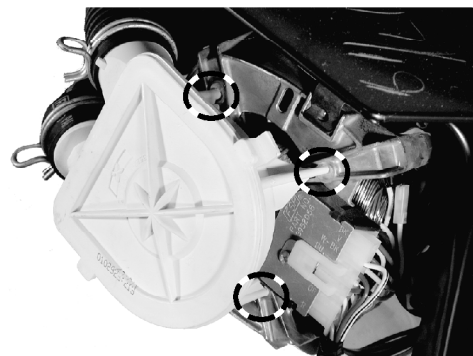
NOTE: The pump, motor start capacitor, and motor can more easily be accessed by tilting the washer back, or by laying it on its rear panel.

4. To remove the pump:

- a) Release the two pump spring clips and pull the pump away from the motor.
- b) Place a container near the two pump hoses to catch the water, then remove the clamps from the inlet and outlet hoses, and pull them off the pump.

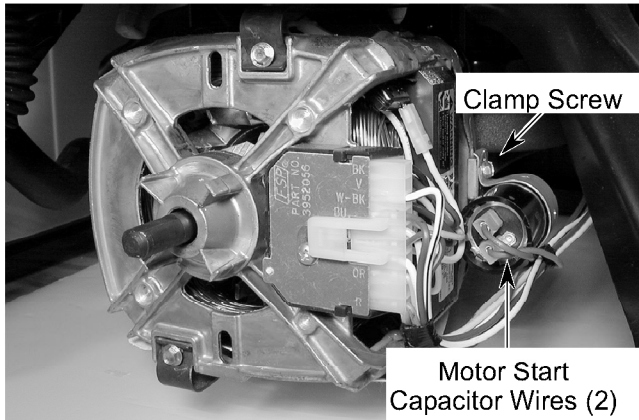


REASSEMBLY NOTE: Position the pump on the motor shaft with the feet in the bracket indents (circled below).



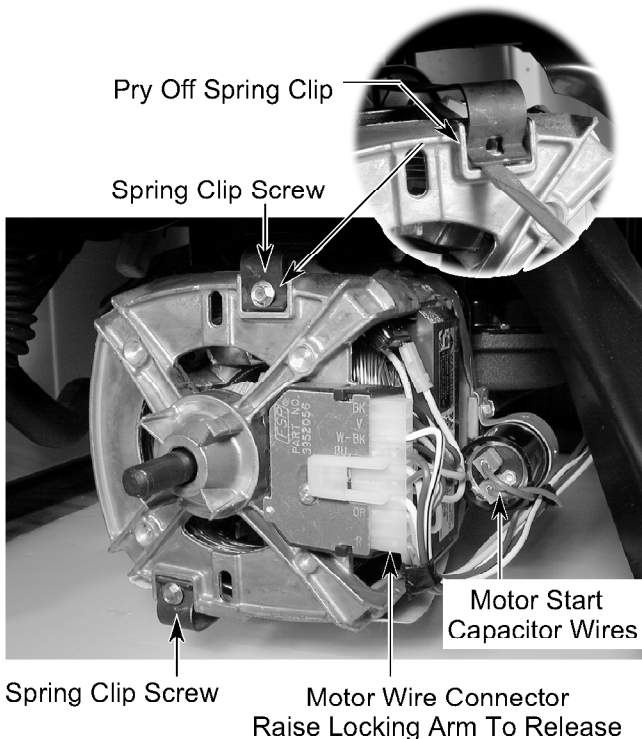
5. **To remove the motor start capacitor:**

- a) Disconnect the two wires from the motor start capacitor terminals.
- b) Loosen the hex-head screw on the capacitor clamp and slide the capacitor out.



6. **To remove the motor:**

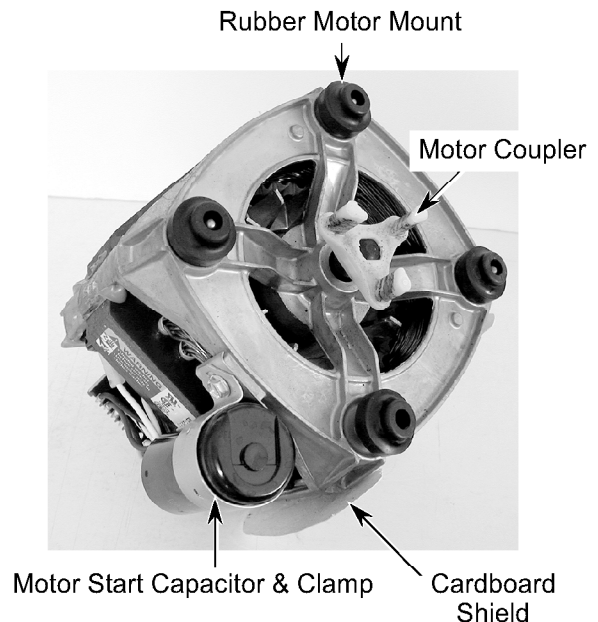
- a) Remove the pump (see step 4 for the procedure).
- b) Raise the locking arm and disconnect the wire connector from the motor.
- c) Disconnect the two wires from the motor start capacitor terminals.
- d) Remove the hex-head screw from each of the two motor mounting spring clips.



- e) Support the bottom of the motor with one hand to keep it from dropping, then pry the end of the top spring clip off the motor with a screwdriver, (see the round inset), and remove the lower spring clip.
- f) Lower the front of the motor until the motor coupler pins disengage from the motor coupler isolator, and remove the motor.



- g) Remove the following components from the motor:
 - Motor Coupler
 - Motor Start Capacitor & Clamp
 - Rubber Motor Mounts (4)
 - Cardboard Shield



REMOVING THE AGITATOR & TRANSMISSION

⚠ WARNING



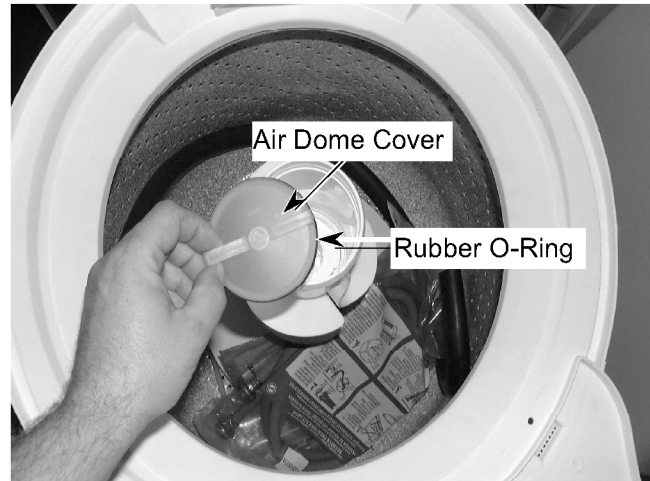
Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

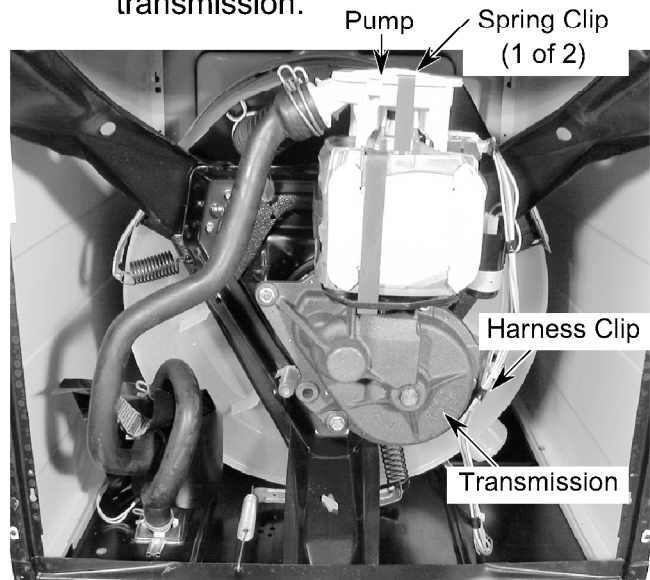
1. Unplug the washer or disconnect the power.
2. **To remove the agitator:**
 - a) Unsnap the agitator cap from the agitator and remove it.



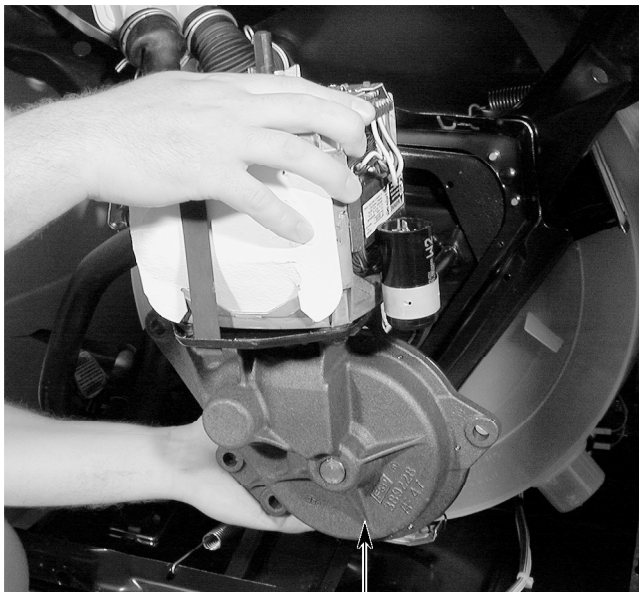
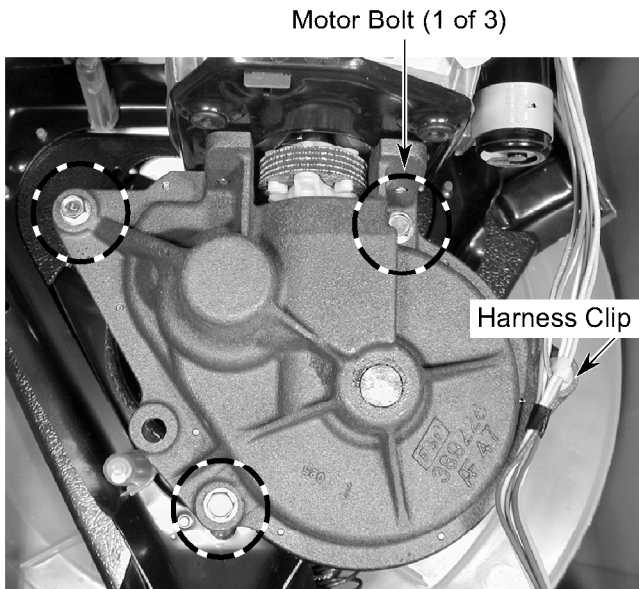
- b) Pull off the air dome cover and remove the rubber O-ring from inside the agitator.
 - c) Remove the bolt from the agitator and lift the agitator out of the washer.



3. **To remove the transmission:**
 - a) Tape the washer lid closed.
 - b) Tilt the washer back at a 45° angle, or lay it on its back panel.
 - c) Unclip the two spring clips from the pump and remove the pump from the motor shaft (see step 4 on page 4-10).
 - d) Disconnect the motor wire connector and the two motor capacitor wires (see step 6 on page 4-11).
 - e) Disconnect the harness clip from the transmission.



- f) Remove the three 1/2" bolts from the transmission and pull the transmission and motor assembly away from the washer.

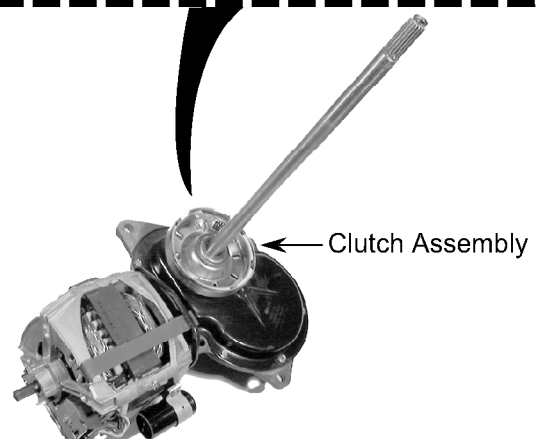
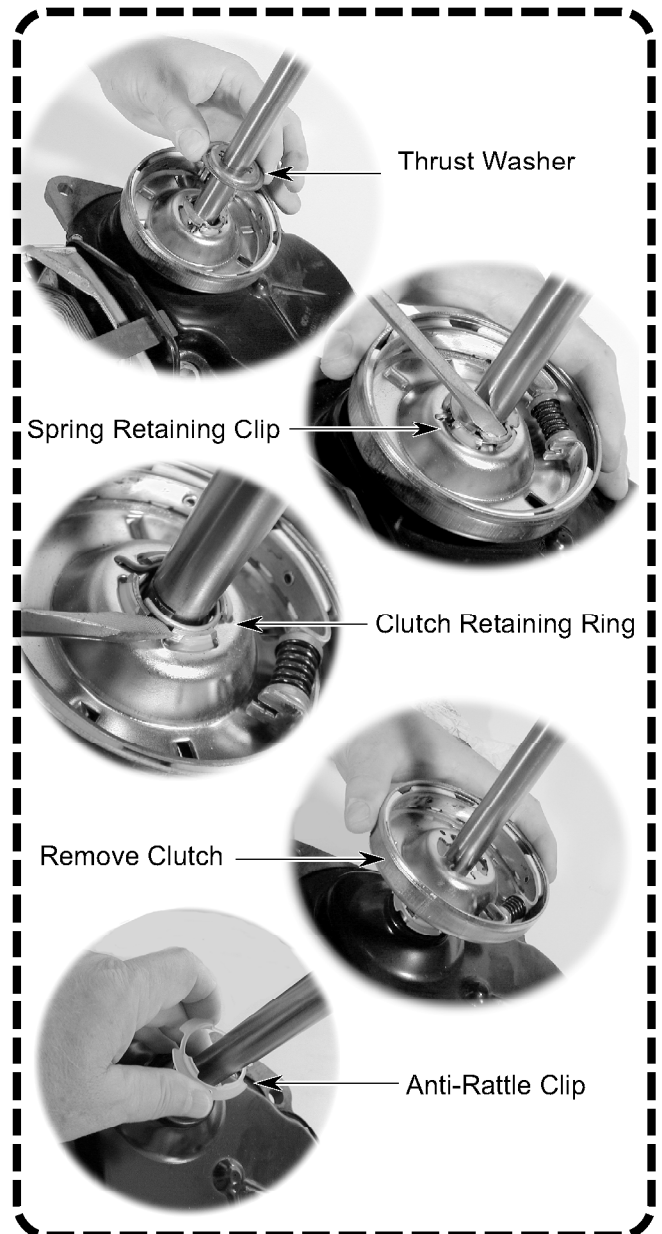


Pull Transmission & Motor From Washer

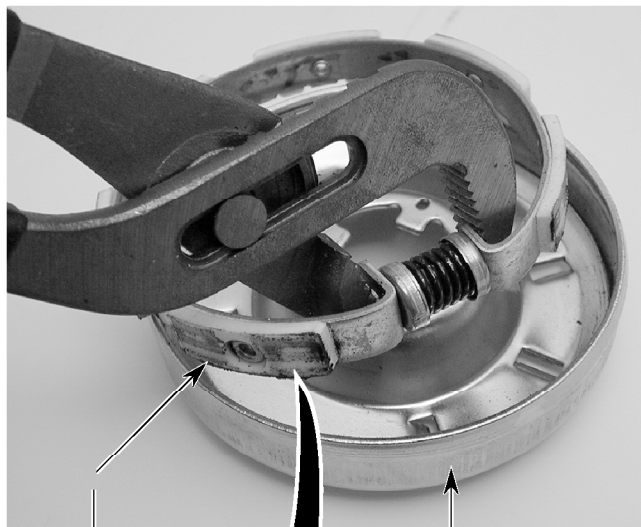
Refer to the photos in the next column.

- g) Remove the thrust washer from the agitator shaft.
- h) Use a screwdriver and unsnap the spring retaining clip from the agitator shaft.
- i) Use a screwdriver and unsnap the clutch retaining ring from the agitator shaft.

- j) Slide the clutch off the agitator shaft.
- k) Slide the anti-rattle clip off the agitator shaft.

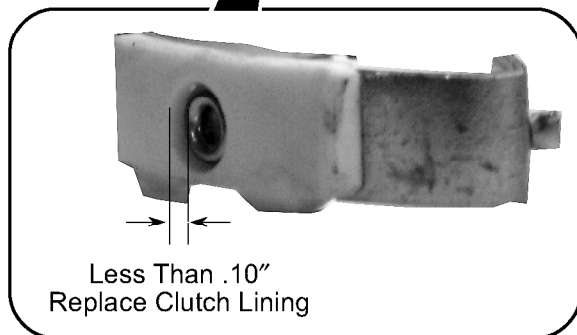


- l) Use a pair of pliers and remove the pad assembly from the clutch drum.



Clutch Pad Assembly

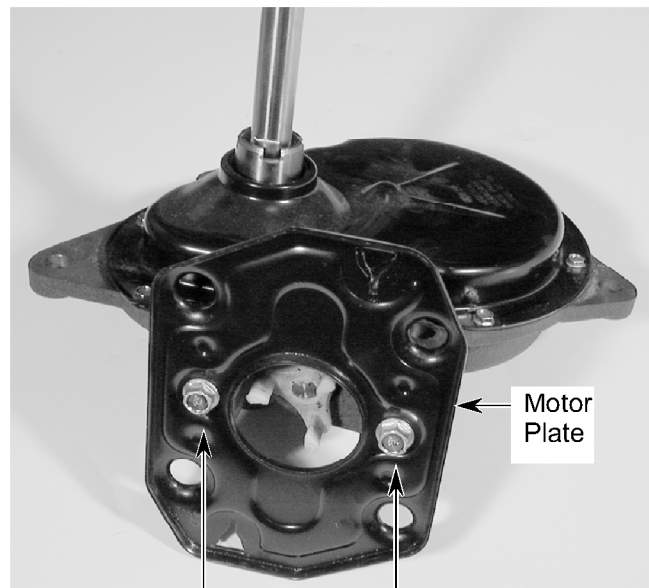
Drum



- m) Clean the inner surface of the clutch drum and the clutch pad assembly surfaces with an approved solvent, such as brake cleaner. Both assemblies must be free of dirt, oil, and grease so that the proper spin speed and water extraction may be achieved.
- n) Inspect the inside contact surface of the drum for scratch marks, or uneven wear. Inspect the clutch pad assembly for loose, or worn pads (see the inset photo above). If the distance between the clutch pad contact surface and the clutch pad rivet head is less than .10", replace the clutch assembly with part **#3953062**.

NOTE: The standard 3-pad clutch assembly cannot be substituted for the stock 6-pad clutch. The additional loads associated with the recirculating spray rinse system requires the 6-pad clutch for proper operation.

- o) Remove the motor from the transmission (see step 6 on page 4-11 for the procedure).
- p) Remove the two 1/2" hex-head bolts from the motor plate and remove the plate.



1/2" Hex-Head Bolts

REMOVING THE CABINET ASSEMBLY

! WARNING



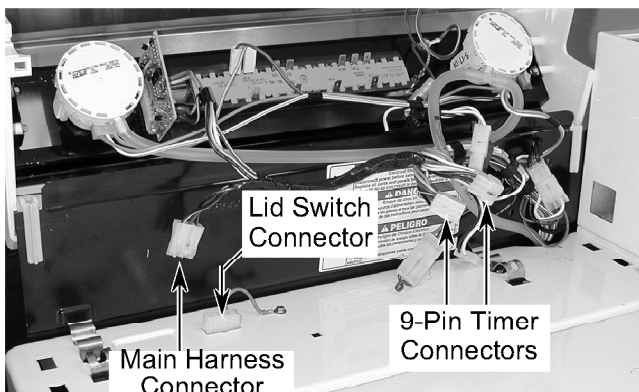
Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

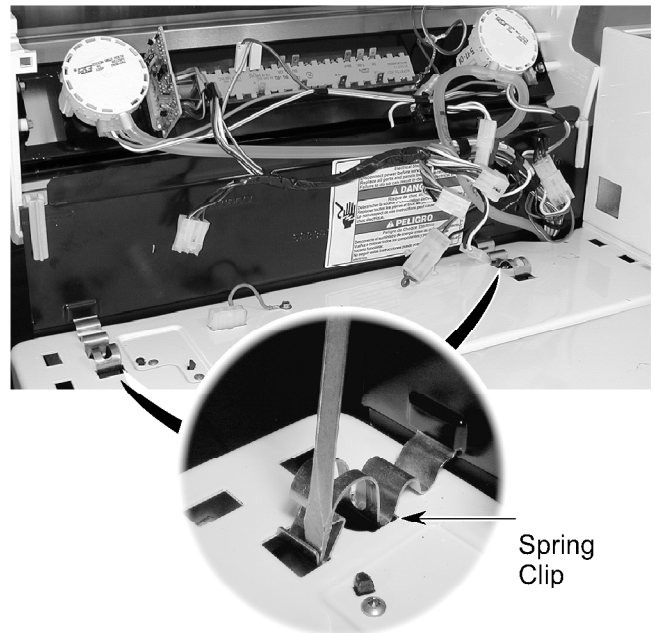
You will need to remove the cabinet assembly to service the following components:

- Vacuum Break
- Tub Ring
- Basket
- Outer Tub
- Basket Drive Assembly
- Skate Plate & Suspension Pads
- Base Assembly

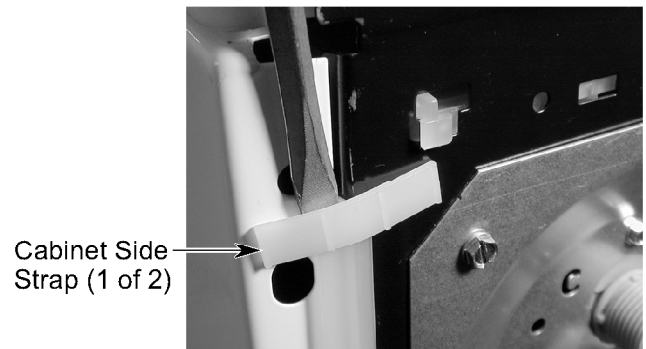
1. Unplug the washer or disconnect the power.
2. Position the console to its service position (see page 4-2 for the procedure).
3. Disconnect the two 9-pin wire harness connectors from the timer.
4. Disconnect the main harness from the hidden lid switch connector.



5. Use a screwdriver to release the two cabinet spring clips from the cabinet top



6. Use a screwdriver to unsnap the two cabinet side straps from the back of the washer.



7. Remove the cabinet front panel (see page 4-10 for the procedure).

Continued on the next page.

8. Remove the two bottom 5/16" side panel hex-head screws.

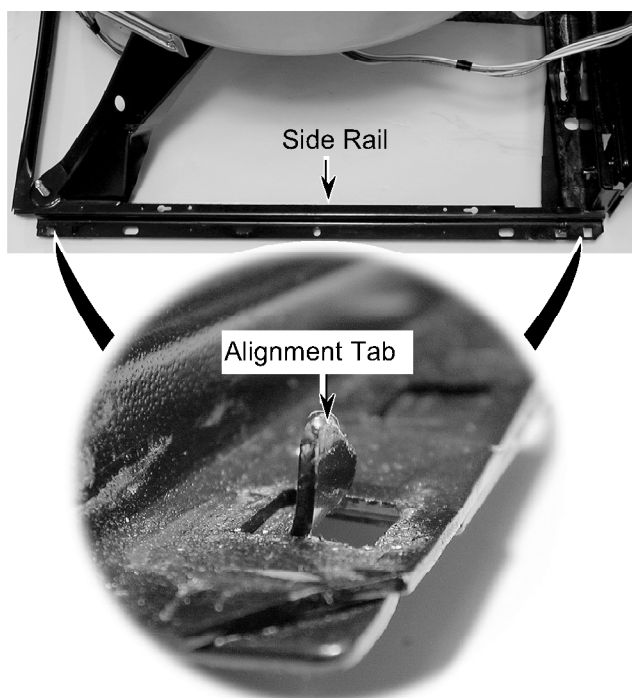


9. Lift the cabinet slightly and tip it forward on its front edges. NOTE: The cabinet will not stand on its own in the upright position.

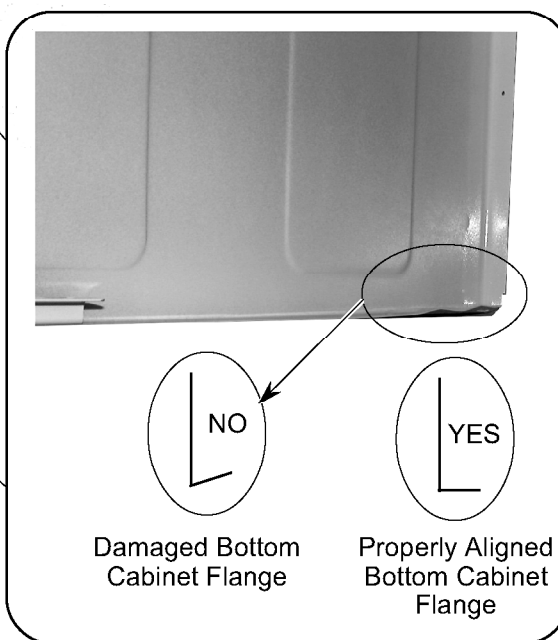


NOTE: When removing the outer cabinet, the basket must be pulled forward to avoid damage to the tub ring shield.

REASSEMBLY NOTE: When you reinstall the cabinet, make sure that the small alignment tabs at the front and rear of each side rail are fully upright, as shown below, and not bent over. Also make sure that the side rails are straight and not deformed, otherwise, the cabinet will not fit properly*.



* Tension can be added to the cabinet clips to insure better frame-to-cabinet fit by adjusting the clips as illustrated.



REMOVING THE SINGLE or DUAL VACUUM BREAK

⚠ WARNING



Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

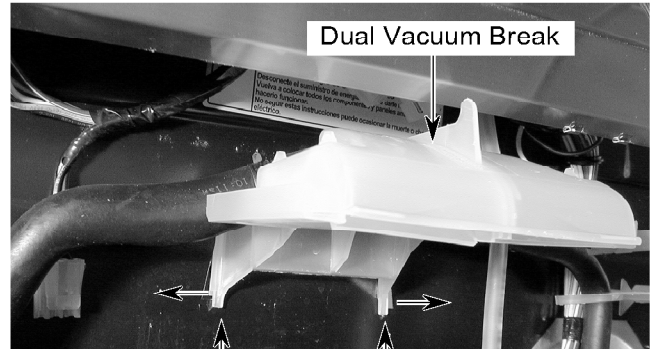
NOTE: Sharp edges may be present.

1. Unplug the washer or disconnect the power.
2. Remove the cabinet assembly from the washer (see page 4-15 for the procedure).



Vacuum Break

3. Pull sideways on the two mounting tabs of the vacuum break and remove them from the slots in the rear panel.



Mounting Tabs - Pull Sideways

4. Disconnect the two hoses from the dual vacuum break. Or the one hose from the single vacuum break. Use a container to catch the water.



Hoses

REMOVING THE TUB RING, BASKET, OUTER TUB, AND BASKET DRIVE ASSEMBLY

⚠ WARNING



Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

1. Unplug the washer or disconnect the power.
2. Remove the cabinet assembly (see page 4-15 for the procedure).
3. Remove the agitator (see step 2 on page 4-12 for the procedure).
4. **To remove the tub ring from the outer tub:**

- a) Press down on the tub ring at each of the clips and pull the clips away from the outer tub catches.

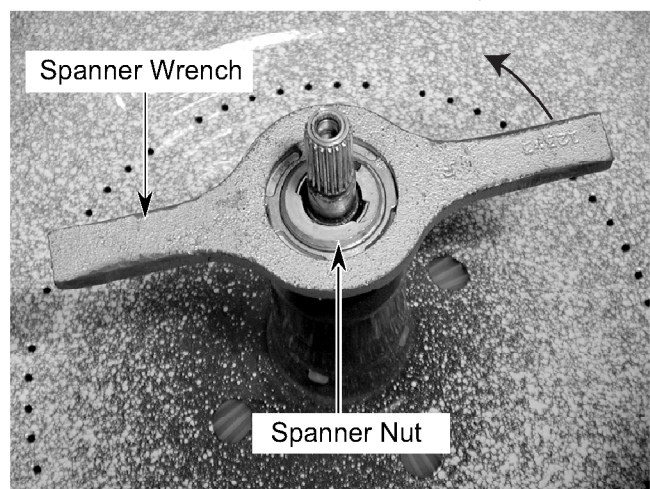


- b) Lift the tub ring off the basket.

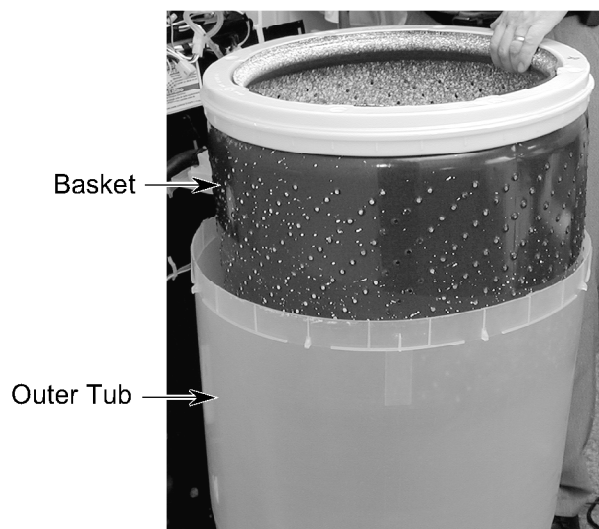
TUB RING REASSEMBLY NOTE: When you reinstall the tub ring, snap the tub ring clip with the narrow opening onto the catch on the outer tub first, then work around the ring to snap the remaining clips in place.

5. **To remove the basket:**

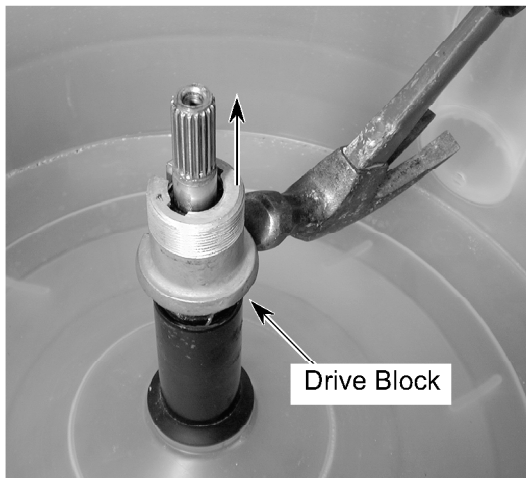
- a) Use a spanner wrench and remove the spanner nut from the drive block. Tap the spanner wrench with a hammer to loosen the nut while holding the basket.



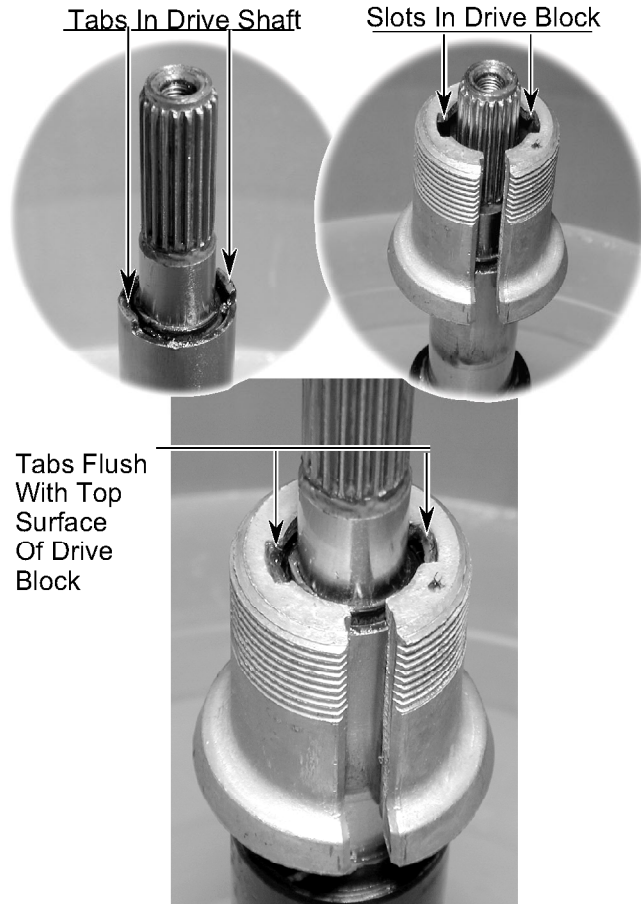
- b) Press down on one side of the basket with the heels of both hands and release the basket from the drive block, then lift the basket off the drive shaft, and out of the outer tub.



- c) Tap the bottom of the drive block with a hammer and remove it from the basket drive shaft.

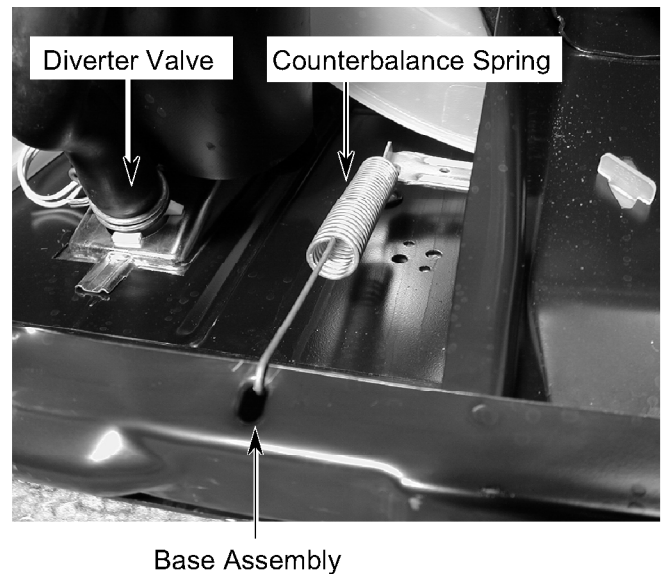


DRIVE BLOCK REASSEMBLY NOTE: When you reinstall the drive block on the basket drive, make sure that you align the two slots in the drive block with the corresponding tabs on the top of the basket drive shaft. If they are misaligned, the basket drive and drive block will fail, and damage to the outer tub may occur.

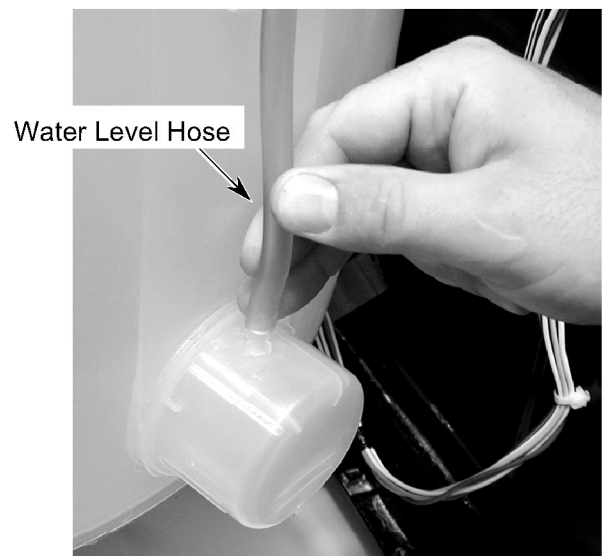


6. To remove the outer tub:

- a) Remove the end of the counterbalance spring from the hole in the frame. **NOTE:** The end of the spring is connected to the base assembly near the diverter valve. The washer in the photo below is shown laying on its rear panel.

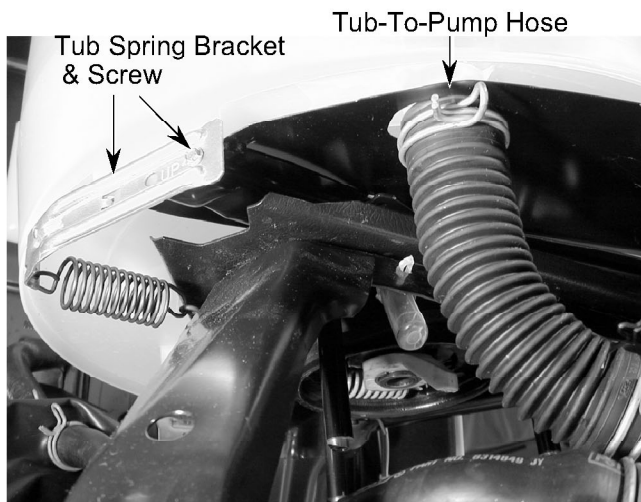


- b) Disconnect the end of the water level hose from the side of the outer tub.



Continued on the next page.

- c) Remove the end of the tub-to-pump hose from the bottom of the outer tub.
- d) Remove the hex-head screw from each of the outer tub spring brackets.

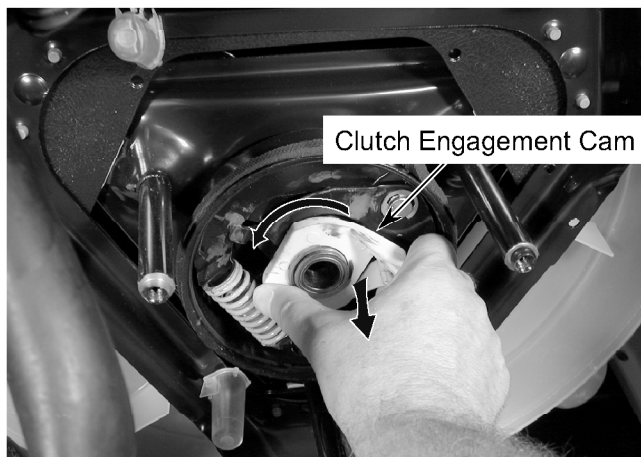


- e) Turn the outer tub while you lift it off the support assembly.

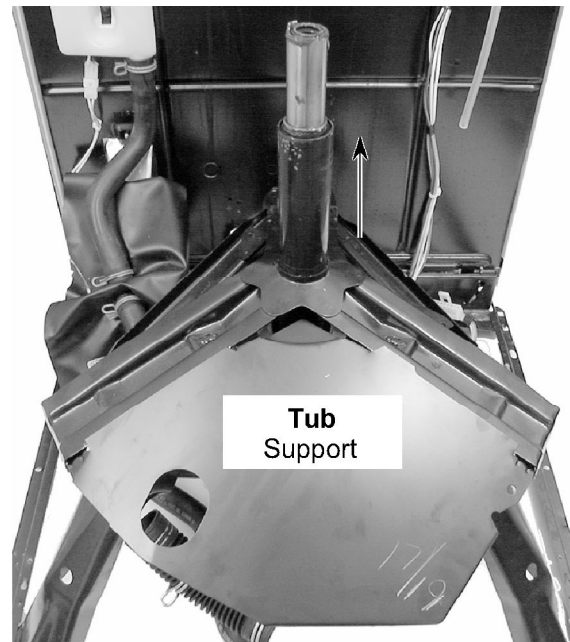
OUTER TUB REASSEMBLY NOTE: When you reinstall the outer tub, install the rear tub spring bracket first.

7. To remove the basket drive assembly:

- a) Remove the tub ring and the basket (see steps 4 and 5 on page 4-18 for the procedures).
- b) Remove the transmission (gearcase) (see page 4-12 for the procedures).
- c) Turn the clutch engagement cam on the basket drive counterclockwise while pulling it toward you, and remove the basket drive from the support assembly.



- d) Lift the tub support off of the washer base.



SERVICE NOTES:

- While the basket drive is removed, check for shaft wear, using the procedure shown on page 5-8.

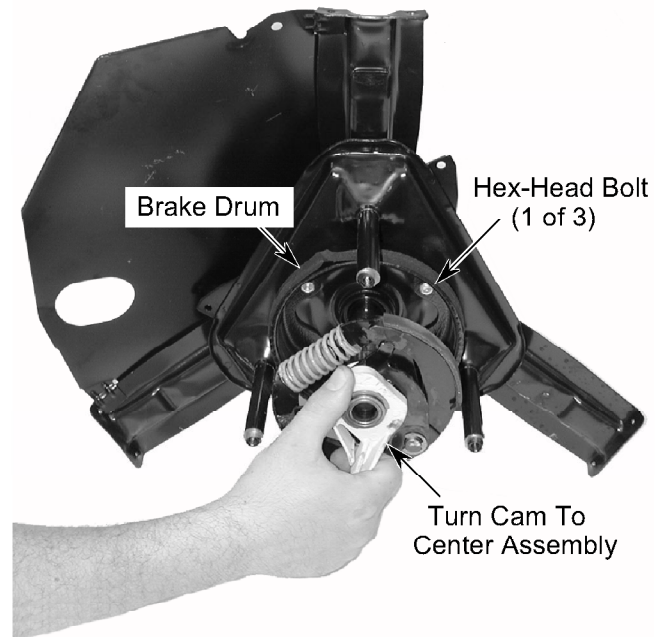


- If the brake drum on the tub support is removed for any reason, it will have to be properly aligned with the basket drive brake when it is reinstalled. If this is not done, the brake pads and drum will wear prematurely, and the outer tub will contact the cabinet on spin down, causing a loud “bang.”

To align the drum with the brake pads:

- A. Install the brake drum on the tub support with its three 1/2” hex-head bolts and then tighten them until they are just finger tight.
- B. Insert the shaft of the basket drive assembly into the tub support while turning the clutch engagement cam counterclockwise. Turning the cam will compress the brake spring, and allow the brakes on the basket drive to clear brake drum. Push the basket drive assembly into the tub support until assembly bottoms out and brake is clearly inside the drum.

- C. Carefully turn clutch engagement cam - counter clockwise two complete revolutions, while applying enough force to the cam to insure that the brake linings firmly contact the brake drum.



- D. Increase pressure on the clutch engagement cam to compress the brakespring, then remove the basket drive from the support. Make sure that the basket drive brake linings do not touch the drum during the removal process.
- E. Re-tighten each of the bolts a little at a time until all 3 - bolts are secure.

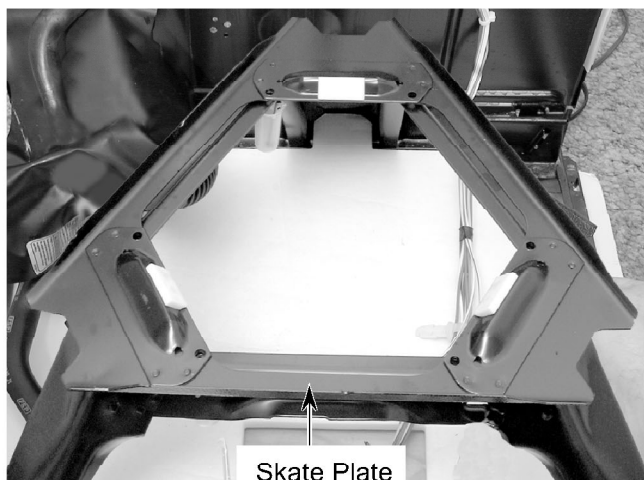
REMOVING THE SUSPENSION SYSTEM & BASE ASSEMBLY

WARNING

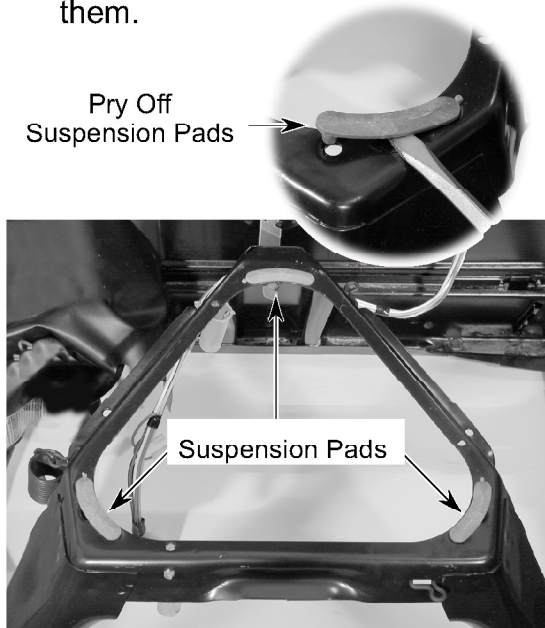


Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

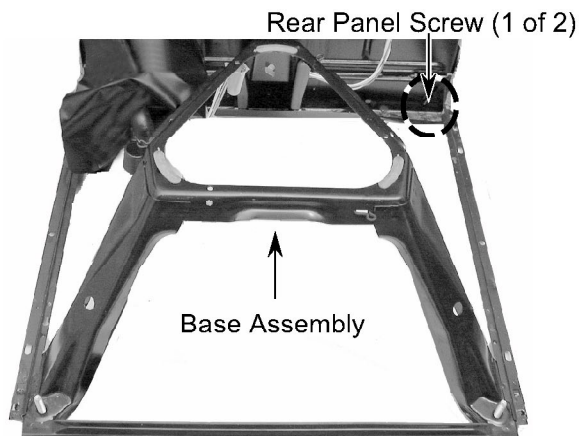
1. Unplug washer or disconnect power.
2. Remove the cabinet (see page 4-16 for the procedure).
3. **To remove the suspension system:**
 - a) Remove the pump (see page 4-11).
 - b) Remove the tub-to-pump hose from the bottom of the tub (see page 4-20).
 - c) Remove the motor (see page 4-11).
 - d) Unhook the ends of the three tub springs and the counterbalance spring from the tub brackets (see pages 4-19 & 4-20).
 - e) Disconnect the water level hose from the air dome (see page 4-19).
 - f) Lift the tub assembly off the skate plate and the washer base.



- g) Lift the skate plate off the base assembly (see the bottom left photo).
- h) Pry the three suspension pads off the top of the base assembly and replace them.



4. **To remove the base assembly:**
 - a) Perform step 3 and remove the tub assembly and skate plate.
 - b) Remove two 5/16" hex-head base assembly screws from the rear panel.
 - c) Remove the rear panel from the base assembly.
 - d) If you are replacing the base assembly, remove the feet, springs, etc. from the assembly. **NOTE:** The new base assembly is supplied with suspension pads already installed.



REMOVING THE REAR PANEL HIGH EFFICIENCY COMPONENTS

⚠ WARNING

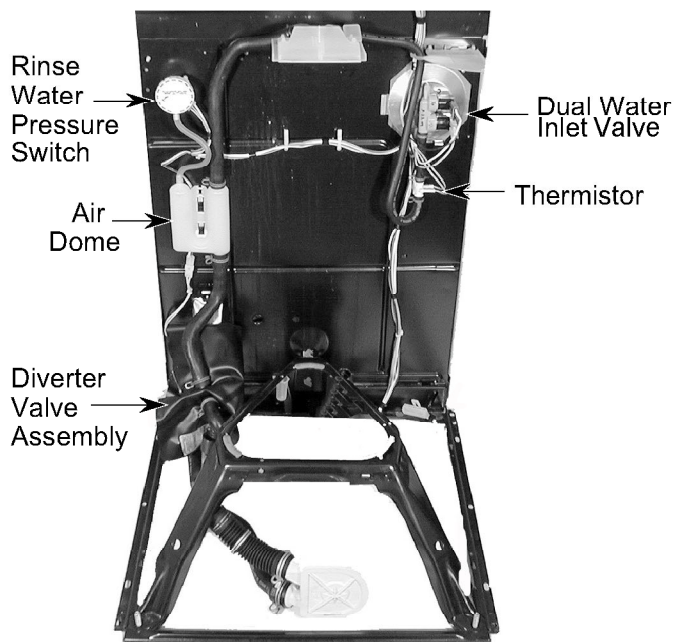


Electrical Shock Hazard
Disconnect power before servicing.
Replace all parts and panels before operating.
Failure to do so can result in death or electrical shock.

NOTE: Sharp edges may be present.

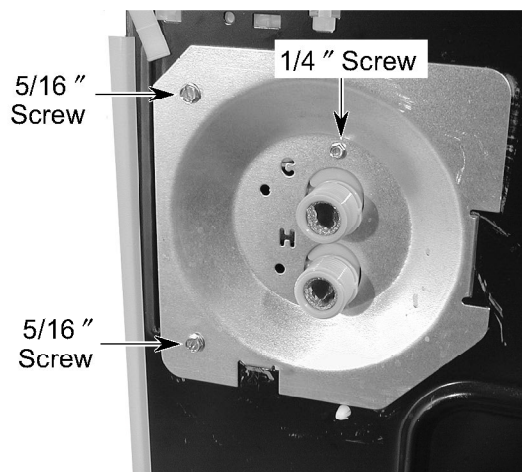
The following rear panel High Efficiency components are shown in this section:

- Dual Water Inlet Valve
- Thermistor
- Rinse Water Pressure Switch (K-Line only)
- Air Dome (K-Line only)
- Diverter Valve Assembly (K-Line only)



Rear Panel High Efficiency Components

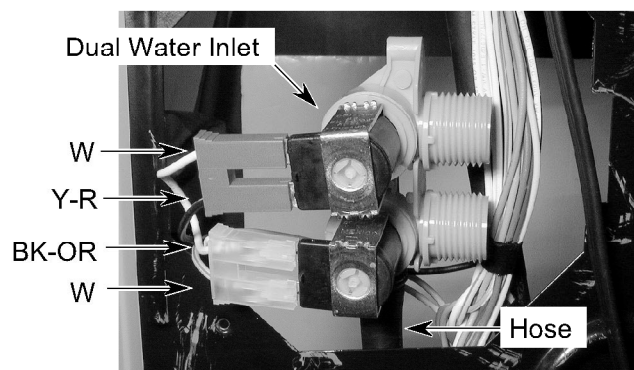
1. Unplug the washer or disconnect the power.
2. Position the washer so that you can access the rear panel.
3. **To remove the dual water inlet valve:**
 - a) Remove the two 5/16" hex-head screws and the 1/4" hex-head screw from the dual water inlet valve mounting plate. Lift the plate in the hole and remove the plate from the rear panel.



- b) Pull the dual water inlet valve out of the rear panel opening and disconnect the two wire connectors from the terminals.

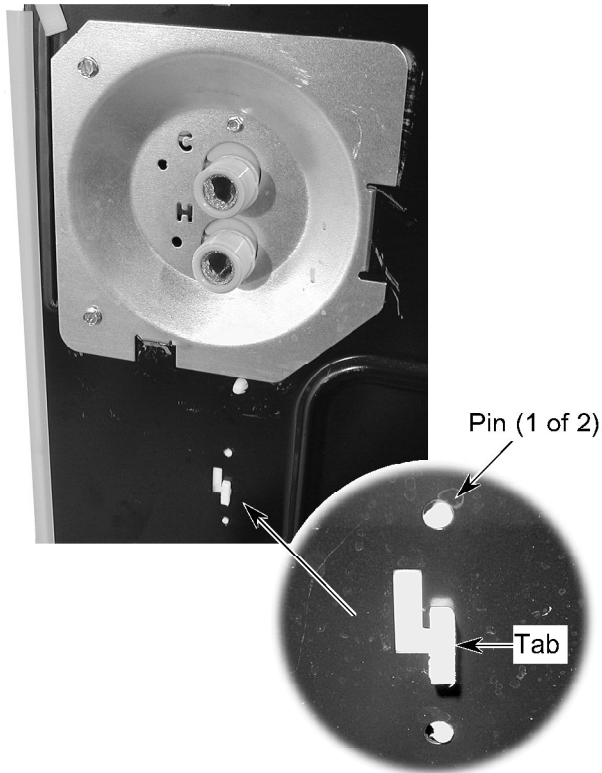
NOTE: Make sure to reinstall the red and white connectors as shown below.

- c) Disconnect the end of the hose and empty the water inside the hose into a container.

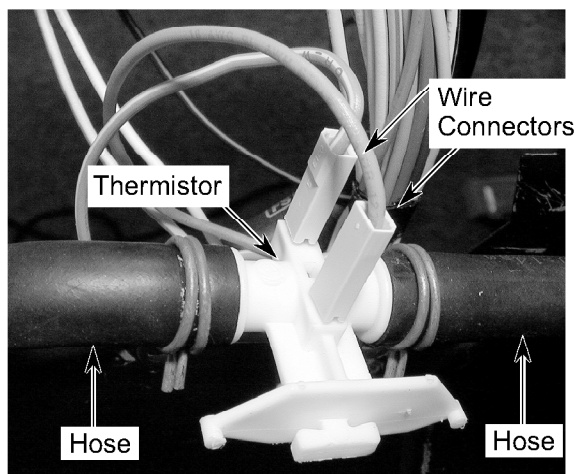


4. **To remove the thermistor:**

- a) Reach inside the dual water inlet valve opening and grasp the thermistor, then push the 2-pins out of their rear panel holes, slide the thermistor mounting tab to the left, and pull it out of the slot.

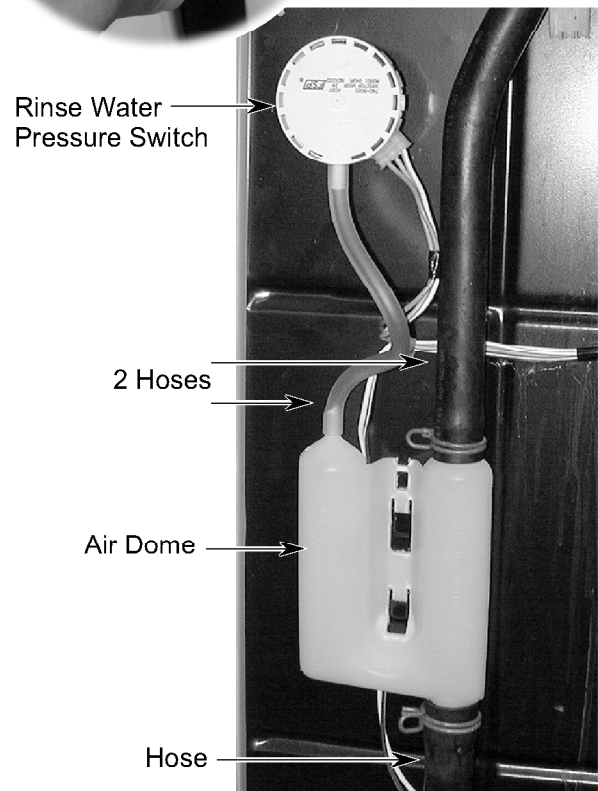
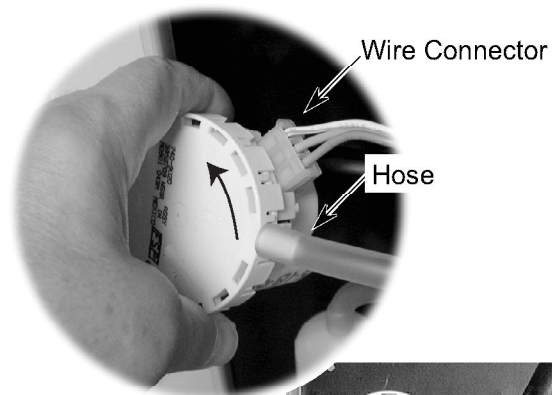


- b) Disconnect both of the hoses from the thermistor.
- c) Disconnect the two wire connectors from the thermistor terminals.



5. **To remove rinse water pressure switch and air dome on CAW2762KQ only:**

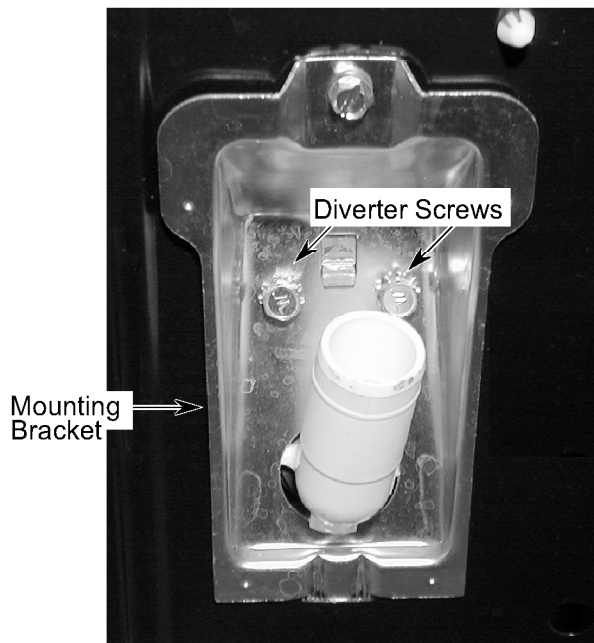
- a) Remove the front panel from the cabinet (see page 4-10 for the procedure).
- b) Reach back and disconnect the hose and wire connector from the pressure switch.
- c) Press the locking arm on the pressure switch, then rotate the switch in either direction until the square extrusion on the switch body aligns with the cutout in the rear panel, and remove the switch.



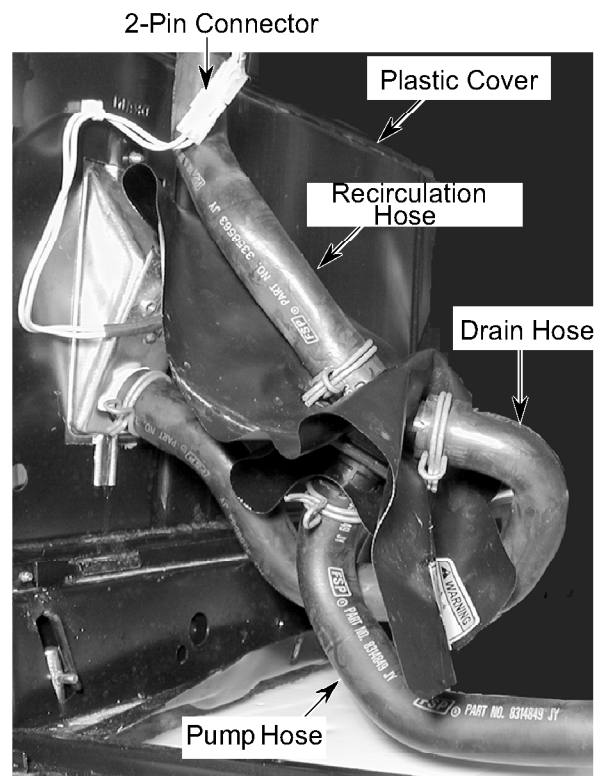
- d) Lift the air dome and unhook it from the rear panel.
- e) Disconnect the three hoses.

6 **To remove the diverter valve assembly:
(CAW2762KQ0 only)**

- a) On the rear panel, remove the two 3/8" hex-head diverter screws from the Mtg. bracket.
- b) Tilt the washer back at a 45° angle, or lay it on its back panel.



- c) Disconnect the 2-pin connector from the wiring harness.
- d) Disconnect the three hoses from the diverter valve assembly. Note the configuration of the plastic cover so that hoses can be properly reconnected.



— NOTES —

COMPONENT TESTING

Before servicing, check the following:

- Make sure that the power cord is firmly plugged into a live circuit with the proper voltage.
- Check for a blown household fuse or circuit breaker that has tripped.
- Check the connections before replacing a component. Look for broken or loose wires, failed terminals, or wires that are not pressed into their connectors far enough.
- Check for wire connectors that are not pressed tightly onto their terminals.
- Resistance tests must be made with the power cord unplugged from the outlet, and with the wiring disconnected.
- All tests should be made with a VOM (volt-ohmmeter) or DVM (digital voltmeter) having a sensitivity of 20,000 ohms-per-volt DC or greater.



⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

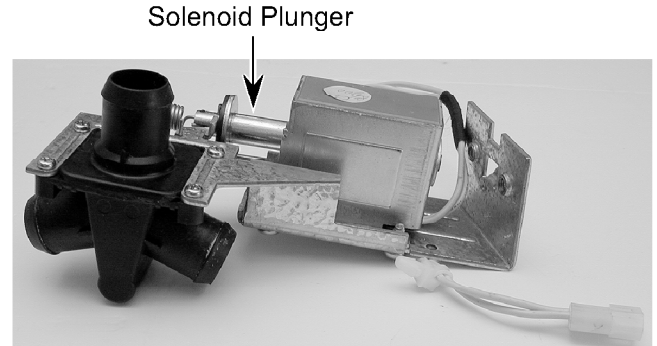
Failure to do so can result in death or electrical shock.

DIVERTER VALVE

On CAW2762KQ only:

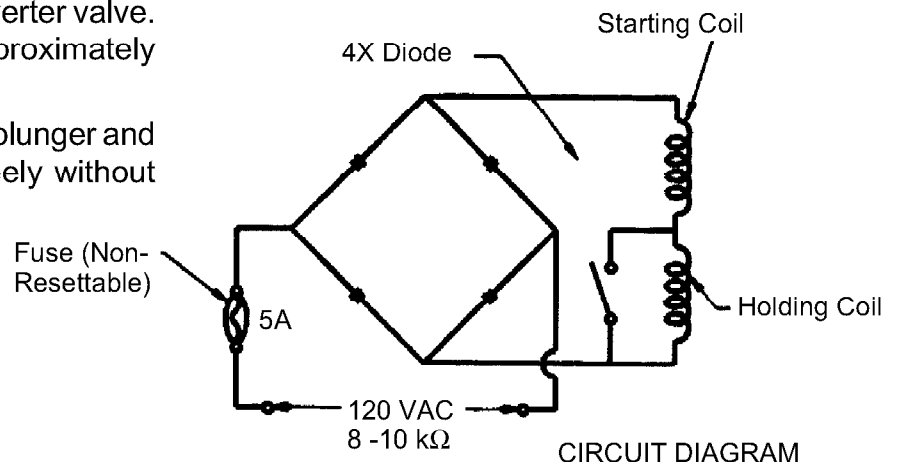
Refer to page 4-25 for the procedure for accessing the diverter valve.

1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1K scale.
3. Disconnect the 2-wire connector from the wiring harness on the rear panel.
4. Touch the ohmmeter test leads to the connector pins coming from the diverter valve. The meter should indicate approximately 8k to 10k Ω .
5. Manually operate the solenoid plunger and make sure that it operates freely without binding.



Solenoid Plunger

Solenoid Connector





⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

MOTOR

Refer to page 4-11 for the procedure for accessing the motor.

1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect the plug from the motor connector.
4. Touch one ohmmeter test lead to the following motor lead colors (shown on the connector plate). The meter should indicate as shown:

V to W-BK (LOW) = 18 to 26 Ω

BU to W (HIGH) = 1 to 1.5 Ω

BK to Y (START) = 5 to 10 Ω

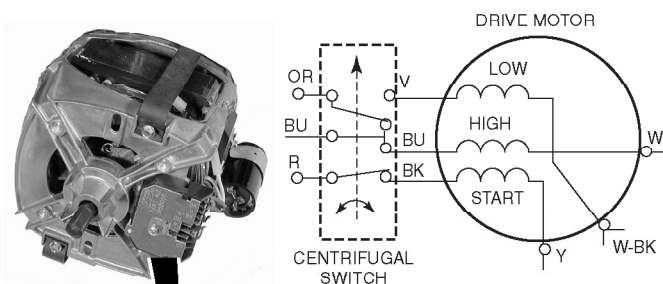
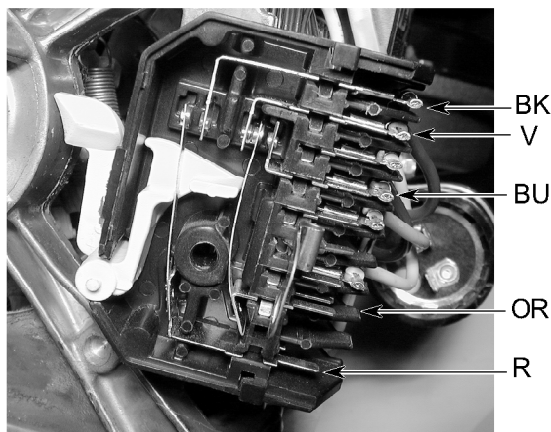
The following tests check the centrifugal switch contacts.

R to BK = Infinite (open)

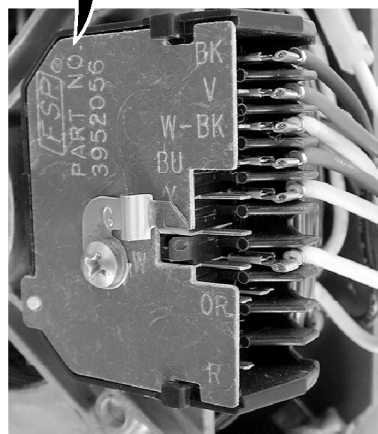
OR to BU = Infinite (open)

OR to V = 0 Ω

R to BU = 0 Ω



Motor Connector



MOTOR SWITCH TEST TABLE

STATE	TEST TERMINALS	READING
AT REST	R TO BK	1 TO 2 OHMS
	OR TO BU	
	OR TO V	
AT SPEED OR SWITCH ARM RELEASED*	R TO BU	OPEN (INFINITE OHMS)
	R TO BK	
	OR TO BU	
	OR TO V	
	R TO BU	1 TO 2 OHMS

* SWITCH ARM CAN BE RELEASED BY REMOVING THE SWITCH FROM THE MOTOR

MOTOR TEST TABLE

FUNCTION	TEST TERMINALS	READING
LOW SPEED	V TO W-B	18-26 OHMS
HIGH SPEED	BU TO W	1 TO 1.5 OHMS
START WINDING	BK TO Y	5 TO 10 OHMS
THERMAL PROTECTOR	W TO W	0 OHMS



⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

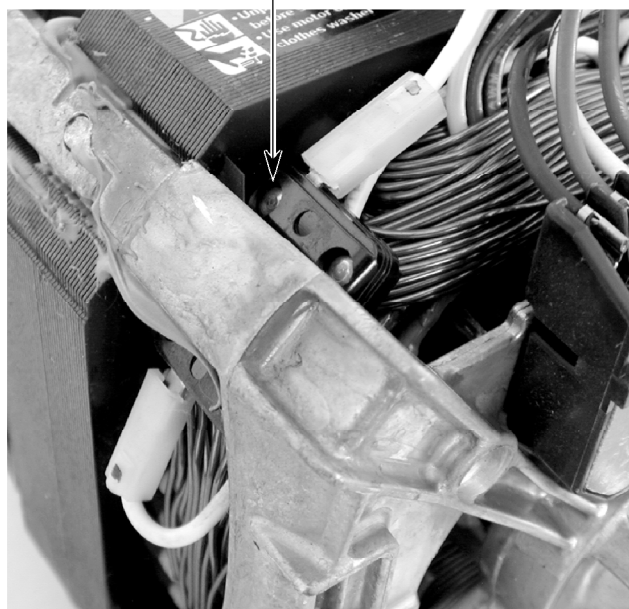
Failure to do so can result in death or electrical shock.

MOTOR THERMAL PROTECTOR SWITCH

Refer to page 4-11 for the procedure for accessing the motor.

1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect one of the wires from the motor thermal protector switch.
4. Touch the ohmmeter test leads to the terminals of the motor thermal protector switch. The meter should indicate a closed circuit (0 Ω).

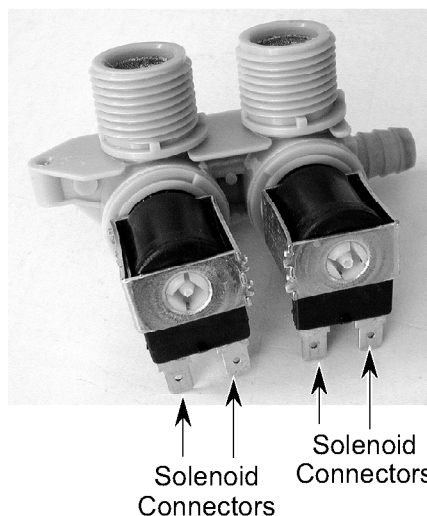
Motor Thermal Protector Switch



DUAL WATER INLET VALVE

Refer to page 4-23 for the procedure for accessing the dual water inlet valve.

1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect the wire connectors from the dual water inlet solenoids.
4. Touch the ohmmeter test leads to each of the solenoid terminals. The meter should indicate approximately 800 to 1300 Ω for each solenoid.





⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

THERMISTOR

Refer to page 4-24 for the procedure for accessing the thermistor.

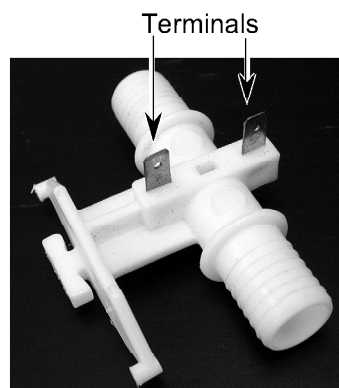
1. Unplug the washer or disconnect the power.

2. Set the ohmmeter to the R x 10K scale.

NOTE: The thermistor can be checked at either of two locations: the thermistor, or the ATC control board, connections 2 (org-wht) and 9 (pk).

3. Disconnect the wire connectors from the thermistor or ATC control board terminals.

4. Touch the ohmmeter test leads to the thermistor terminals or the ATC control board wire connectors. Depending on the temperature, the meter should indicate as shown in the chart.



THERMISTOR RESISTANCE CHART

Temperature (°F)	Resistance (Ohms)
40	126k - 135k
50	97k - 102k
60	75k - 78k
70	58k - 61k
80	46k - 47k
90	36k - 37k
100	28k - 30k
110	23k - 24k
120	18k - 19k
130	15k - 16k
140	12k - 13k
150	10k - 11k



⚠ WARNING

Electrical Shock Hazard

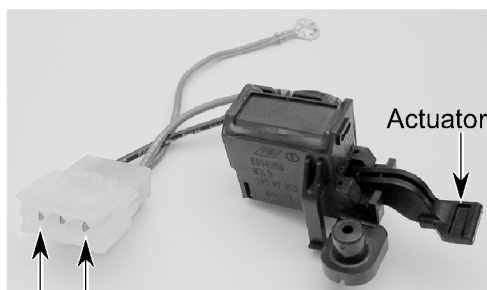
Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

HIDDEN LID SWITCH

Refer to page 4-8 for the procedure for accessing the hidden lid switch.



Pins 1 & 3

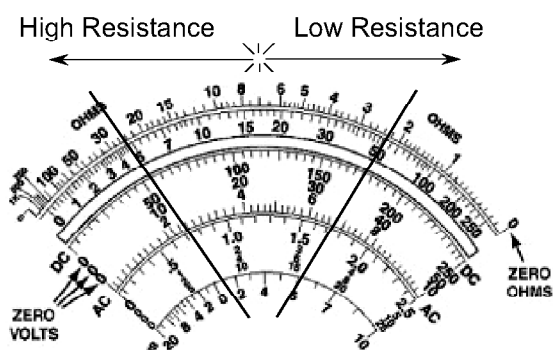
1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect the 3-wire hidden lid switch connector from the top of the washer.
4. Touch the ohmmeter test leads to hidden lid switch connector pins 1 and 3. The meter should indicate an open circuit (infinite).
5. With the ohmmeter test leads at pins 1 and 3 of the hidden lid switch connector, press the actuator on the hidden lid switch. The meter should indicate a closed circuit (0 Ω).

MOTOR START CAPACITOR

Refer to page 4-11 for the procedure for accessing the motor start capacitor.



1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1K scale.
3. Discharge the capacitor by touching each of the terminals with a 20,000 Ω (red, black, orange) resistor to ground.
4. Disconnect the wire connectors from the capacitor terminals.
5. Touch the ohmmeter test leads to the capacitor terminals. The meter should quickly rise to a low resistance, (see the Illustration), and then gradually fall to a high resistance. To repeat the test, reverse the ohmmeter leads. The result should be the same if the capacitor is good.





⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

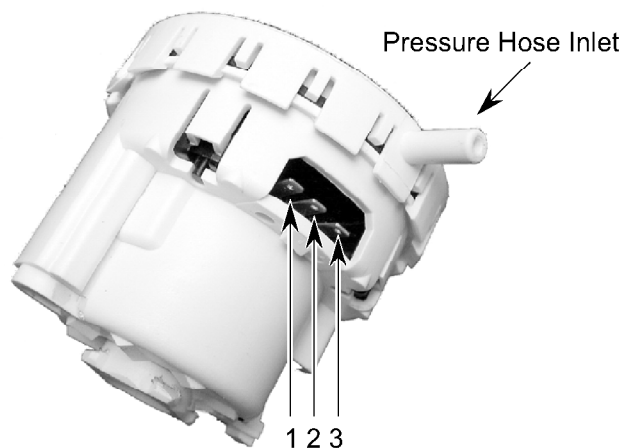
PRESSURE SWITCH

Refer to page 4-2 for the procedure for accessing the high and low water level pressure switches, and to page 4-24 for the procedure for servicing the rinse water pressure switch.

1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect the wire connector from the pressure switch.

NOTE: To activate the pressure switch, blow into the pressure hose from the air dome end.

4. Touch the ohmmeter test leads to the test points indicated in the chart. The switch should change states when sufficient air pressure is applied to the pressure hose inlet.



Pin 1 = Full
Pin 2 = C (Common)
Pin 3 = Empty

WATER LEVEL SWITCH TEST TABLE

SWITCH	LOCATION	STATE	TEST TERMINALS	WIRE COLORS	READING
RINSE WATER LEVEL SWITCH	BACK PANEL	UNDER PRESSURE	C TO EMPTY	W-P TO P	OPEN
			C TO FULL	W-P TO T	0-10 OHMS
		NO PRESSURE	C TO EMPTY	W-P TO P	0-10 OHMS
			C TO FULL	W-P TO T	OPEN
WASH HIGH LEVEL SWITCH	LEFT SIDE OF CONSOLE	UNDER PRESSURE	C TO EMPTY	V-W TO W-P	OPEN
			C TO FULL	V-W TO T	0-10 OHMS
		NO PRESSURE	C TO EMPTY	V-W TO W-P	0-10 OHMS
			C TO FULL	V-W TO T	OPEN
WASH LOW LEVEL SWITCH	RIGHT SIDE OF CONSOLE	UNDER PRESSURE	C TO EMPTY	V-Y TO W-P	OPEN
			C TO FULL	V-Y TO T	0-10 OHMS
		NO PRESSURE	C TO EMPTY	V-Y TO W-P	0-10 OHMS
			C TO FULL	V-Y TO T	OPEN



⚠️ WARNING

Electrical Shock Hazard

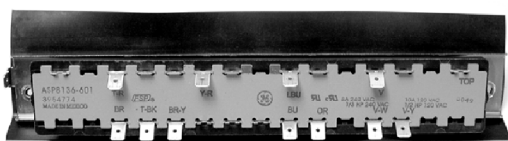
Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

CYCLE SELECTOR SWITCH ASSEMBLY

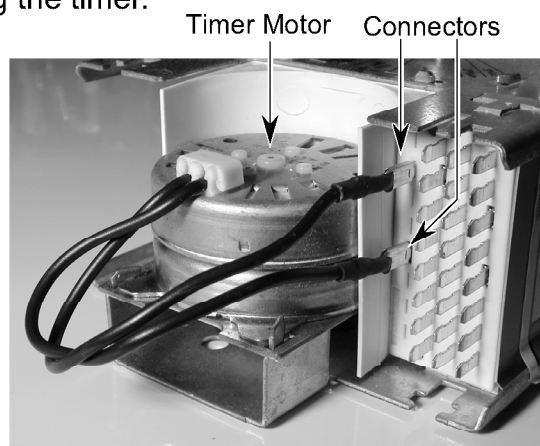
Refer to page 4-3 for the procedure for accessing the cycle selector switch assembly.



1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect the wires from the terminals of the switch to be measured.
4. Touch the ohmmeter test leads to the following terminals (the wire colors are shown stamped on the switch plate). Press the indicated pushbutton to activate the switch. Test the switch in both the On and Off positions (see the chart below). On = Closed (0 Ω) - Off = Open (infinite).

TIMER MOTOR

Refer to page 4-6 for the procedure for accessing the timer.



1. Unplug the washer or disconnect the power.
2. Set the ohmmeter to the R x 1 scale.
3. Disconnect both the white and black wire connector molex plugs from the harness.
4. Disconnect one of the timer motor wire terminals from a timer connector pin.
5. Touch the ohmmeter test leads to the timer motor wire connectors. The meter should indicate between 2000 and 2800 Ω .

CYCLE SELECTOR SWITCH TEST TABLE

CYCLE SELECTOR SWITCH TEST TABLE			
FUNCTION	SWITCH POSITION	WIRE COLORS	READING
WATER LEVEL	HIGH	V TO V-W	CLOSED SWITCH 0 OHMS ACROSS SWITCH TERMINALS (DISCONNECT WIRES FROM SWITCH TO INSURE PROPER READING)
	LOW	V TO V-Y	
SPIN SPEED	HIGH	LBU TO BU	
	LOW	LBU TO OR	
TEMPERATURE/ CYCLE SELECTIONS	COLD COLD	BR TO Y-R	
	WARM* COLD	BR-Y TO Y-R, BR-Y TO TR	
	WARM* WARM*	BR TO Y-R, T-R TO T-BK TO BR-Y	
	HOT* COLD	BR TO T-R, BR-Y TO Y-R	
*ATC CONTROLLED CYCLES HOT CONTROLLED TO 100+-5, WARM CONTROLLED TO 70+-5			



⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

BASKET DRIVE SHAFT CHECKS

Refer to page 4-20 for the procedure for accessing the basket drive.

1. With the basket drive removed, check for excessive wear on the shaft (see below). Excessive wear can be identified by a ridge between the bearing contact surfaces, and the center area of the shaft. If ridges can be felt along the bearing wear areas (greater than .005"), replace the basket drive.
2. If replacement of the upper and lower centerpost seals is ever necessary, check for wear ridges on the basket drive shaft. If ridges are present, replace the basket drive.

BASKET DRIVE SHAFT →

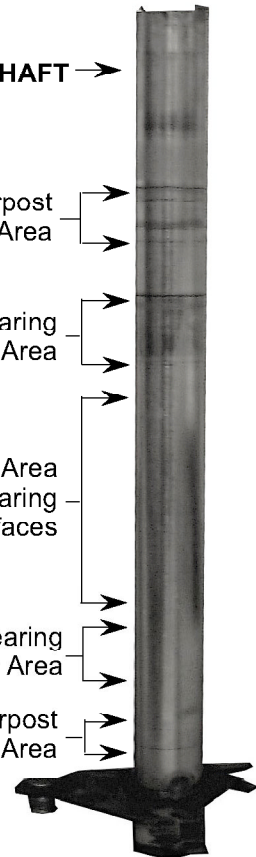
Upper Centerpost
Seal Wear Area

Upper Bearing
Wear Area

Center Area
Between Bearing
Contact Surfaces

Lower Bearing
Wear Area

Lower Centerpost
Seal Wear Area





⚠️ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

AUTOMATIC TEMPERATURE CONTROL

Perform the following tests in sequence.

Test 1: Non-ATC Wash Fills

NOTE: The non-ATC system must function properly before testing the ATC system.

1. Set the timer to the Fill cycle, and start the washer. The washer will begin filling.
2. Turn the water temperature switch to each of the non-ATC positions, and note the temperature of the water entering the washer at each position (COLD/COLD).

If the temperatures are not correct, or the washer is not filling, check the following for the proper operation and function:

Component	Problem Check
Timer	No fill
Water Level Switch	No fill or wrong water level
Water Temp Switch	No fill or wrong water temp
Water Valves	No fill or slow fill

Test 2: ATC Wash Fills

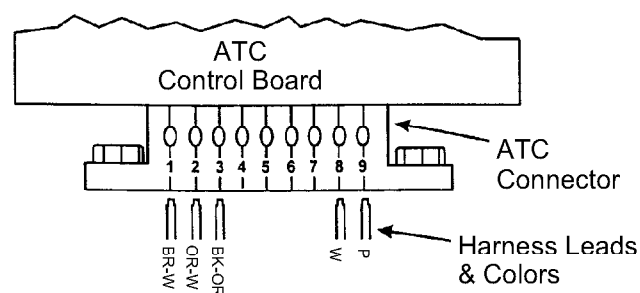
This tests the ATC portion of the ATC control.

1. Set the water temp switch to ATC controlled WARM/COLD.
2. The washer will begin filling.

Both the hot and cold valves operate continuously for approximately 55 seconds. After 55 seconds, the cold valve should cycle on and off, while the hot valve stays on continuously.

If the cold valve is not working properly:

1. Disconnect the washer from the electrical supply.
2. Check the ATC board for proper installation at the connector.
3. Make sure that the harness wires are in the proper location to the connector, as shown below.



Continued on the next page.

4. Remove the ATC control board from the connector.
5. Using an ohmmeter, measure the thermistor at connector harness wires 2, (OR-W), and 9, (P). Compare the readings to the following "Thermistor Resistance Chart:"

THERMISTOR RESISTANCE CHART	
Temperature (°F)	Resistance (Ohms)
40	126k - 135k
50	97k - 102k
60	75k - 78k
70	58k - 61k
80	46k - 47k
90	36k - 37k
100	28k - 30k
110	23k - 24k
120	18k - 19k
130	15k - 16k
140	12k - 13k
150	10k - 11k

- NOTE 1:** If the hot water temperature is below 120°F, the cold valve may turn off and stay off.
- NOTE 2:** If the cold water temperature is above 70°F, the cold valve may stay on continuously.
- NOTE 3:** If the thermistor is open, the cold valve will stay off. If the thermistor is shorted, the cold valve will stay on continuously.
- NOTE 4:** When the COLD/COLD cycle is selected, the ATC feature is bypassed. This will provide uncontrolled cold wash and cold rinse.

If ohmmeter reading is not correct:

1. Replace the thermistor, (see page 4-24 for the procedure), and repeat steps 1 and 2 of "ATC Wash Fills."
2. Set the water temp switch to ATC controlled WARM/WARM.
3. Start the washer. The washer will begin filling. The hot valve should cycle on and off while the cold valve operates continuously.

NOTE: If the cold water temperature is above 65°F, the hot valve may not turn on.

If the hot valve is not working properly:

1. Disconnect the washer from the electrical supply.
2. Replace the ATC board, (see page 4-3 for the procedure), and repeat steps 2 and 3 above.

Repeat the ATC Wash Fills Test for all three (3) ATC controlled water temp switch positions.

NOTE: For additional information on the Automatic Temperature Control System, refer to Job Aid #4322334.

CAW2762KQ

CYCLE CHART



CAW2762RQ

CYCLE CHART



SELECTOR AND TIMER SWITCH POSITIONS

AGITATION CYCLE SWITCH CLOSURE CAW2762 "K" & "R" LINES

AGITATION/CYCLE SWITCH CLOSURES								
SW.	WTR LVL		SPEED		TEMPERATURE			
	LO	HI	LO	HI	COLD	75°	75°	100°
					COLD	COLD	75°	COLD
A								X
B							X	
C						X	X	
D								X
E					X	X	X	
F				X				
G			X					
H		X						
I	X							
100°F ± 5°								
75°F ± 5°								

SEQUENCE CHART CAW2762KQ ONLY

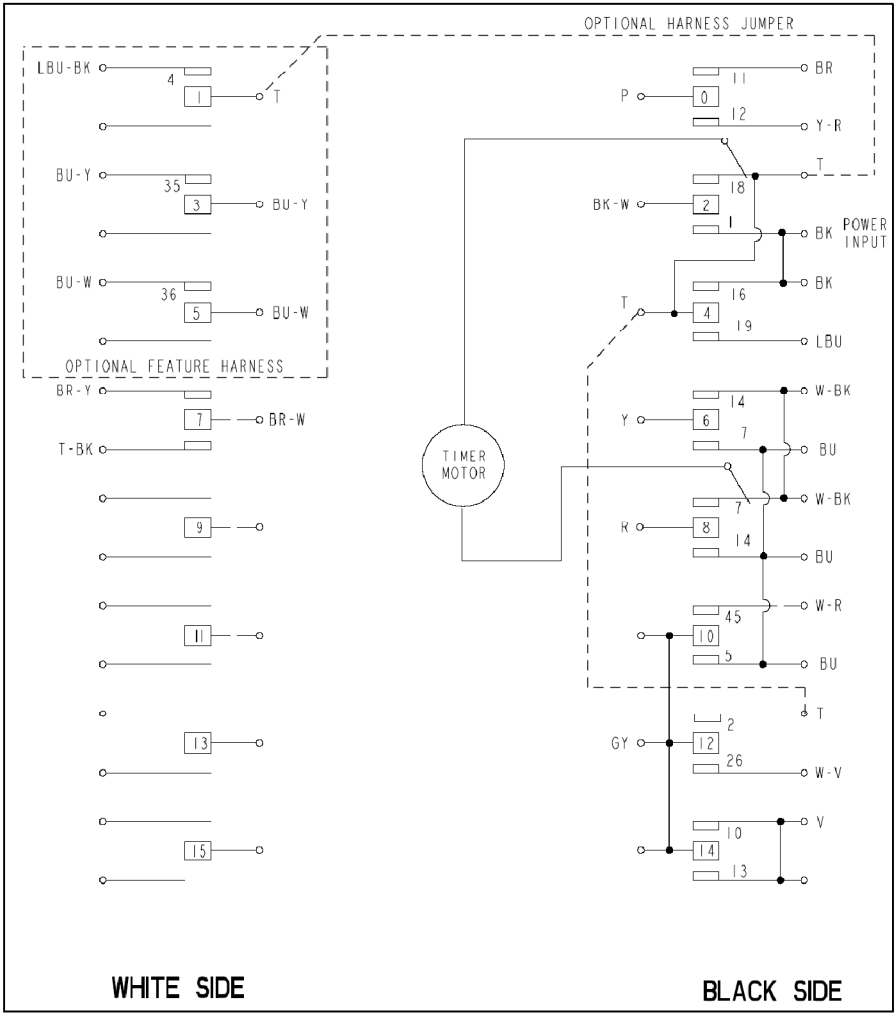
NOTE	ENTER STEP	TIMER CAM & SWITCH SEQUENCE		
		FIRST	SECOND	THIRD
A	1	3T, 8T, 12B, 5B OFF	14T OFF THEN 14T ON	1T & 10B ON
		IN THE OFF NOTCH, SWITCHES ON CAMS 8T, 12B, 10B, 14T, 5B ARE OPEN		SEE NOTES 9 & 10
B	22	14B OFF	CAM 4, CAM 12	6B ON
		CAM 2		
C	26	6B OFF	6T ON DURING ADVANCE	8B ON, 6T OFF
D	27, 28, 29	6T ON DURING ADVANCE		6T OFF
E	31	6B ON, 12B OFF	8T ON, CAM 10	12T BEFORE 10B OFF
		5T ON		
F	39	1B ON	CAM 10	12T BEFORE 10B OFF
		12B-12T HIT AS SHORT AS POSSIBLE	2 MAY BE ON AT END OF ADVANCE	
G	35, 43, 4T	12B-12T HIT AS SHORT AS POSSIBLE	CAM 10	12T BEFORE 10B OFF
		2 MAY BE ON AT END OF ADVANCE		
H	32, 36, 40, 44	10T BEFORE 12T TO 12B. EARLY AS POSSIBLE		
I	51	14T BEFORE 12T TO 12B. 12T-14T OVERLAP IS EARLY AND AS SHORT AS POSSIBLE. 5B - NO SEQUENCE		
J	60	THIS AN ACTIVE 30 SECOND STEP. OFF IS A NOTCH BETWEEN 60 & 1 AND IS SMALL AS POSSIBLE		

SEQUENCE CHART CAW2762RQ

	ENTER STEP	TIMER SWITCH CAM SEQUENCE		
		10B, 2B, 12B OFF	2T BEFORE 4T	14T, 4T ON (SEE NOTE 11)
A	1	STEP ADVANCE IS AN ACTIVE 30 SECOND STEP. OFF IS AS SMALL AS POSSIBLE BETWEEN STEPS 48 & 1 CAM 3 AS SOON AS POSSIBLE		
		CAM 1 WILL CLOSE TO COVER NOTCH		
B	5	CAM 2	CAM 4	STRAIGHT DROPS
C	23	4B OFF	CAM 8	10B ON
		CAM 6		
D	29	10B OFF	4T ON	12T OFF, 14T ON
E	33	4B ON	10T LATE AS POSSIBLE	
F	37	14T OFF, 4B OFF	CAM 8	10B ON
		CAM 6		
		4T ON	CAM 12	
G	42	4T-12 OVERLAP AS SHORT AS POSSIBLE		
		4T & 12B AS CLOSE AS POSSIBLE		
H	40, 41	SEE SPRAY NOTE 7		
J	7, 35	12T ON IN MID STEP		
K	21	14T IN MID STEP		

BUSSING DIAGRAM

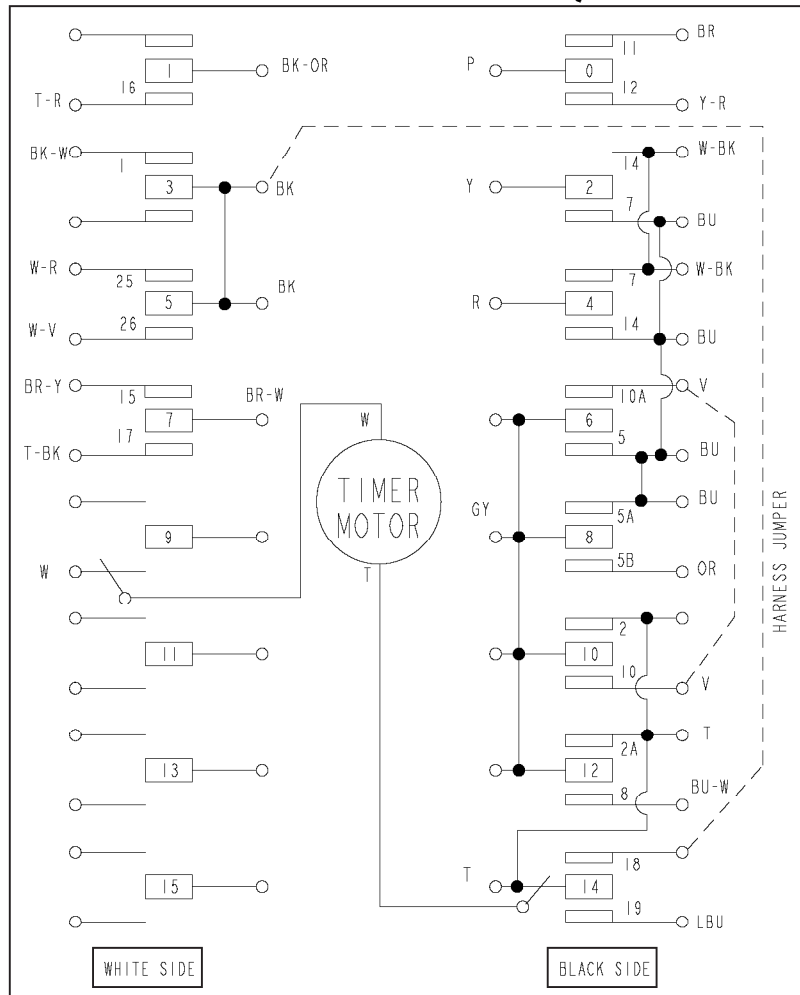
CAW2762RQ ONLY



TIMER LABEL

WHITE			FSP® PART NO. 8575004	BLACK			
I	C	B			B	C	I
* LBU-BK	T			* Y-R	P	* BR	
* BU-Y	BU-Y			□ BK	BK-W	□ T	
* BU-W	BU-W			□ LBU	T	* BK	
* BR-Y	BR-W	* T-BK		* BU	Y	* W-BK	
				* BU	R	* W-BK	
				□ BU	GY	* W-R	
				* W-V	GY	+ T	
				* V	GY	+ V	

BUSSING DIAGRAM CAW2762KQ ONLY

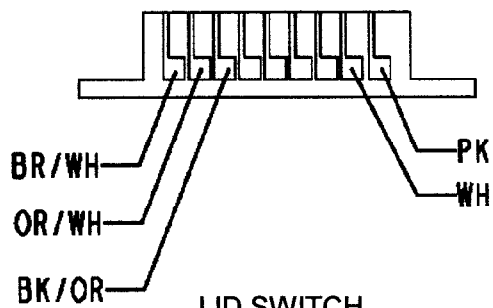


TIMER LABEL

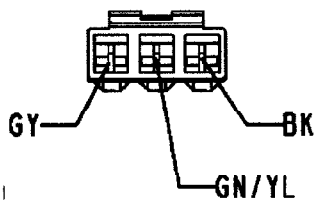
WHITE			BLACK		
T	C	B	B	C	T
○	BK-OR	* T-R	* Y-R	P	* BR
* BK-W	BK	○	* BU	Y	* W-BK
* W-R	BK	* W-V	* BU	R	* W-BK
* BR Y	BR-W	* T-BK	□ BU	GY	* V
○		○ W	□ OR	GY	□ BU
○		○	⊕ V	GY	* T
○		○	⊕ BU-W	GY	* T
○		○	□ LBU	T	* BK

CONNECTORS

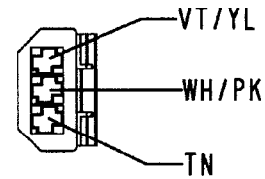
ATC CONNECTOR



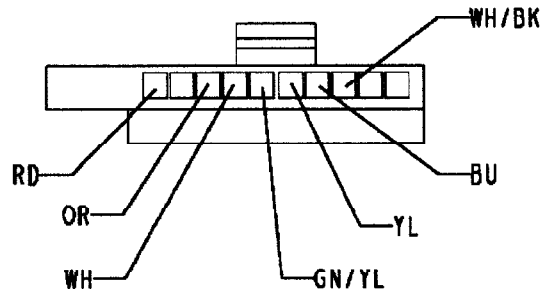
LID SWITCH



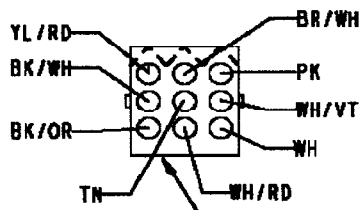
WATER LEVEL SWITCH
CONNECTOR
(BOTH HIGH AND LOW)



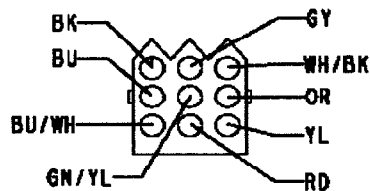
MOTOR CONNECTOR



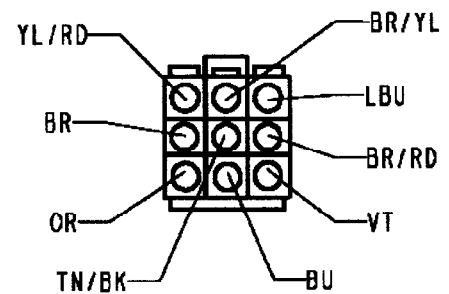
TIMER HARNESS CONNECTORS (HARNESS SIDE)



FEMALE MOLEX

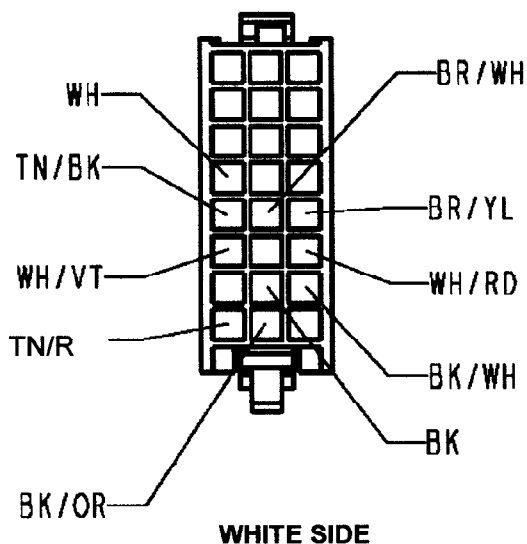


MALE MOLEX

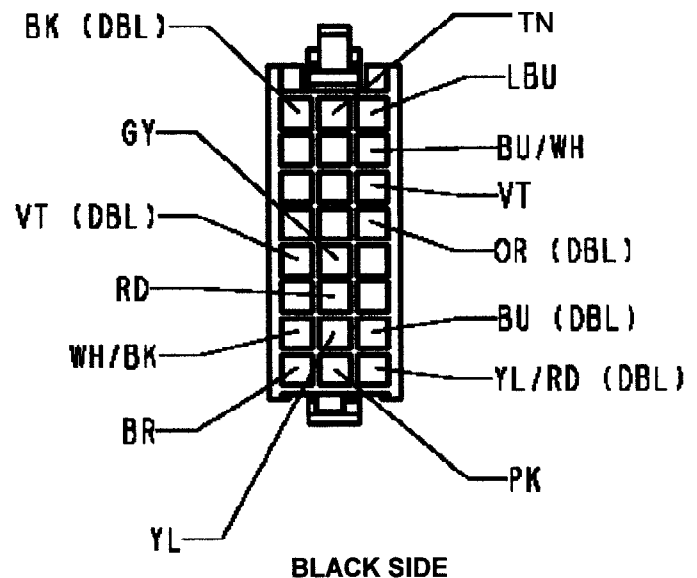


FEMALE MOLEX

TIMER CONNECTORS

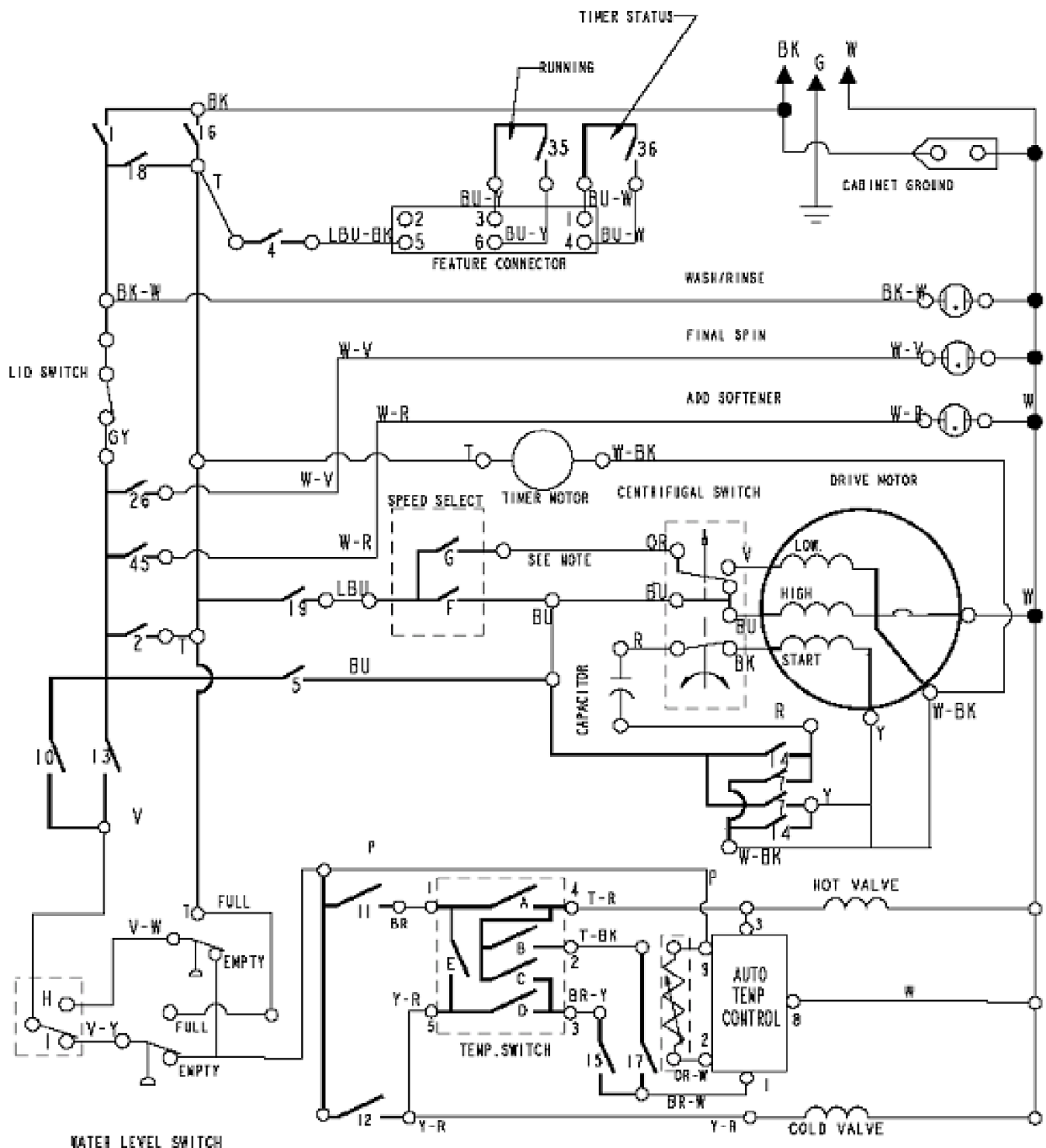


WHITE SIDE

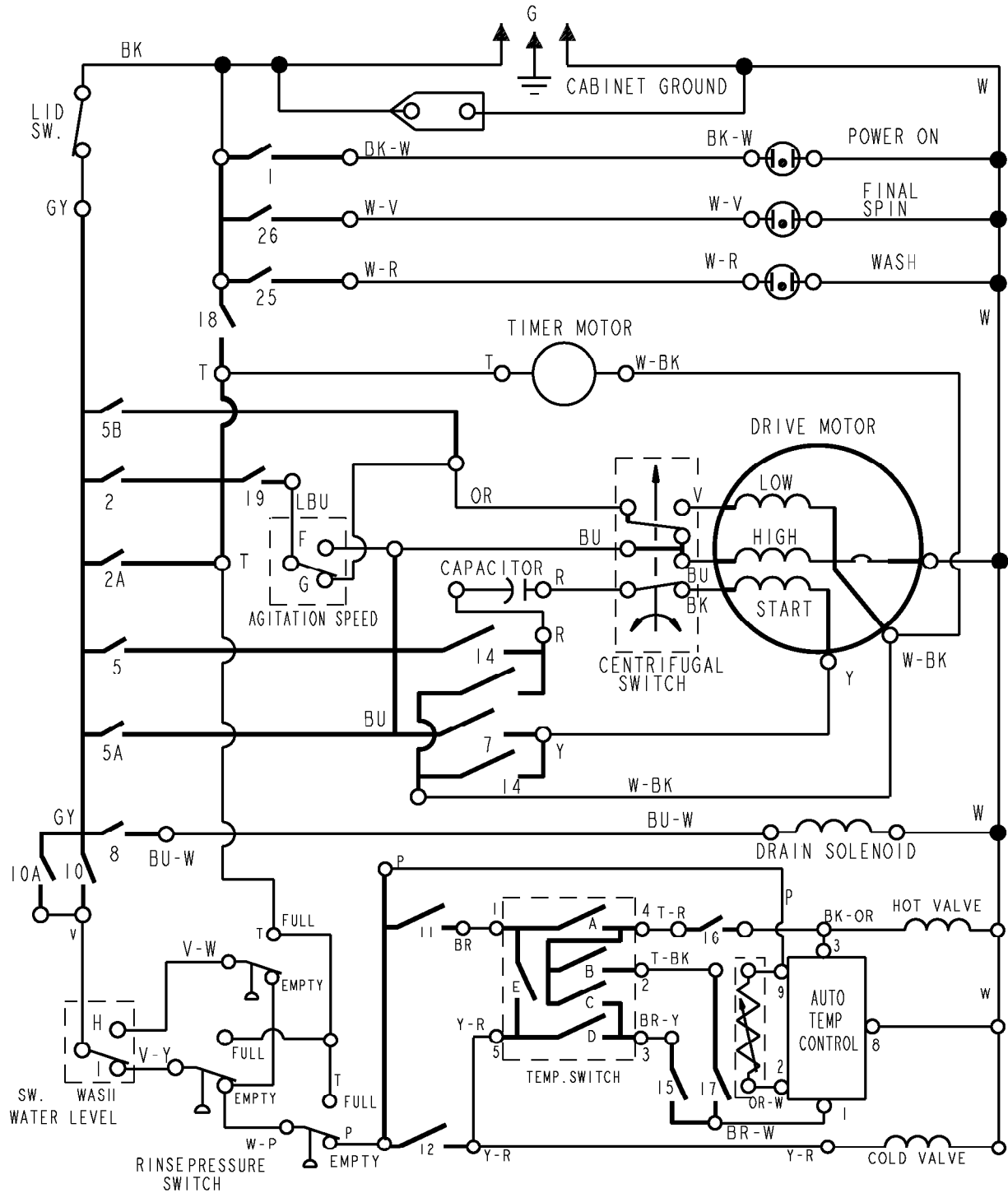


BLACK SIDE

WIRING DIAGRAM / CAW2762RQ ONLY



WIRING DIAGRAM / CAW2762KQ ONLY



— NOTES —

— U.S.A. —
**ONE STOP NUMBER FOR COMMERCIAL
LAUNDRY SUPPORT 1 800-NO BELTS**

(1 800 662-3587)

Commercial Laundry Internet Support
www.whirlpoolwebworld.com

Products and More, Commercial Laundry Link
www.coinop.com

Or go directly to www.cltpsc.whirlpoolcorp.com

**FOR SALES LITERATURE ORDERS, PRODUCT AND WARRANTY INFORMATION,
ROUTE OPERATOR AND DISTRIBUTOR LOCATION:
*1 800-NO BELTS***

**TO ORDER COMMERCIAL LAUNDRY PRODUCT:
*1 800-NO BELTS***

**FOR WARRANTY CLAIMS STATUS, LABOR AUTHORIZATIONS OR MISSING PARTS:
*1 800-NO BELTS***

**FOR TECHNICAL ASSISTANCE FOR ALL WHIRLPOOL
COMMERCIAL LAUNDRY PRODUCTS:
*1 800-NO BELTS - OPTION 5***

**TO REACH THE TECHNICAL COMMUNICATION MANAGER
FOR
COMMERCIAL LAUNDRY
1-800-446-2574 ext. 4268**

